U.S. DEPARTMENT OF COMMERCE
National Technical Information Service
PB-289 384

Water Resources Data for Nevada, Water Year 1974. Part 1. Surface Water Records Part 2. Water Quality Records

(U.S.) Geological Survey, Carson City, NV Water Resources Div

1975

PB 289384

Water Resources Data for Nevada

Water Year 1974

Part 1. Surface Water Records

Part 2. Water Quality Records

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SPRINGFIELD, VA. 22161

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NV-74-1

BIBLIOGRAPHIC DATA SHEET	**1. Report No.** USGS/WRD/HD-78/236	**2.**	**3. Recipient's Accession No.** PB289384

4. Title and Subtitle Water Resources Data for Nevada
Water Year 1974
Part 1. Surface Water Records
Part 2. Water Quality Records

5. Report Date 1975

6.

7. Author(s)

8. Performing Organization Rept. USGS-WDR-NV-74-1

9. Performing Organization Name and Address
U.S. Geological Survey, Water Resources Division
Room 227, Federal Building
705 North Plaza Street
Carson City, NV 89701

10. Project/Task/Work Unit No.

11. Contract/Grant No.

12. Sponsoring Organization Name and Address
U.S. Geological Survey, Water Resources Division
Room 227, Federal Building
705 North Plaza Street
Carson City, NV 89701

13. Type of Report & Period Covered Annual Oct. 1, 1973 to Sept. 30, 1974

14.

15. Supplementary Notes
Prepared in cooperation with the State of Nevada and with other agencies.

16. Abstracts

Water resources data for the 1974 water year for Nevada consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs. This report contains discharge records for 121 gaging stations; stage and contents for 20 lakes and reservoirs; water quality for 19 gaging stations. Also included are 14 low-flow and 115 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements and analyses. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating local, State, and Federal agencies in Nevada.

17. Key Words and Document Analysis. 17a. Descriptors

*Nevada, *Hydrologic data, *surface water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water analyses.

17b. Identifiers/Open-Ended Terms

17c. COSATI Field/Group

18. Availability Statement No restriction on distribution. This report may be purchased from: National Technical Information Service Springfield, VA 22161	**19. Security Class (This Report)** UNCLASSIFIED **20. Security Class (This Page** UNCLASSIFIED	**21. No. of Pages** 251 **22. Price** PO A12 MF A01

1974

Water Resources Data for Nevada

Water Year 1974

Part 1. Surface Water Records

Part 2. Water Quality Records

MARCH 3, 1849

UNITED STATES
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NV-74-1

Prepared in cooperation with the State of Nevada
and with other agencies

Prepared in cooperation with

Nevada Department of Conservation and Natural Resources
Nevada Department of Highways
California Department of Water Resources
Corps of Engineers, U.S. Army
Bureau of Reclamation, U.S. Department of the Interior
Bureau of Sport Fisheries & Wildlife, U.S. Department of the Interior
Bureau of Indian Affairs, U.S. Department of the Interior
Environmental Protection Agency
Forest Service, U.S. Department of Agriculture

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District Chief, Water Resources Division
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Carson City, Nevada 89701

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(c), chemical; (b), biological;
(t), water temperature; (s), sediment]

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PART 1. Surface-Water Records
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INTRODUCTION

Water-resources data for the 1974 water year for Nevada, including records of streamflow or reservoir storage at gaging stations, partial-record stations, and miscellaneous sites, and records of water-quality data on the chemical, physical, and biological characteristics of surface water, are given in this report. For Part 1, locations of gaging stations are shown in figures 2 and 3, and partial-record stations in figure 4. In Part 2, data on the quality of surface water (chemical, biologic, temperature, and sediment) were collected from designated sampling sites at predetermined intervals, such as once daily, weekly, monthly, or less frequently. Locations of the water-quality stations are shown in figure 5. A few pertinent stations in bordering States are also included in this report. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey under the direction of G. F. Worts, Jr., district chief (succeeded by John P. Monis). Nevada District personnel who contributed significantly to the collection and preparation of data included in this report were Jack L. Arnold, Charles J. Bartholet, Leo A. Bohner, Robert E. Bostic, Donald C. Clendenon, Louise E. Davis, Kerry T. Garcia, Patrick A. Glancy, Lynn Harmsen, Joseph P. Johns, Orvil C. Kamm, Terrance L. Katzer, Jerry D. Larson, Joan Leutzinger, Gregory L. Pope, Carroll V. Schroer, Robert R. Squires, Marjorie I. Thielke, Thomas B. Tucker, and A. S. Van Denburgh. These data represent that portion of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Nevada.

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year have been similarly released either in separate reports or in conjunction with streamflow records. These reports are for limited distribution and are designed primarily for rapid release of data shortly after the end of the water year.

Records of discharge and stage of streams, and contents and stage of lakes and reservoirs are published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and since then are in a 5-year series. Records of chemical quality, water temperatures, and suspended sediment have been published since 1941 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." More information is given under the later heading, "Publications."

COOPERATION

The U.S. Geological Survey and organizations of the State of Nevada have had cooperative agreements for the systematic collection of streamflow records since 1909, and for water-quality records since 1951. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Nevada Department of Conservation and Natural Resources, Elmo J. DeRicco, director. Office of Nevada State Engineer, Roland D. Westergard.

Nevada Department of Highways, Grant Bastian, P. E., State Highway Engineer.

California Department of Water Resources, John R. Teerink, director.

Assistance in the form of funds or services was given by the Corps of Engineers, U.S. Army; the Bureau of Reclamation, the Bureau of Sport Fisheries & Wildlife, the Bureau of Indian Affairs, U.S. Department of the Interior; the Forest Service, U.S. Department of Agriculture; and the Environmental Protection Agency.

The following organizations aided in collecting records:

Clark County Flood Control District; Walker River Irrigation District; Carson-Truckee Water Conservancy District; Truckee-Carson Irrigation District; City of Las Vegas; Pershing County Water Conservation District; Nevada Department of Fish and Game; Nevada Department of Administration; and Carson Water Sub-Conservancy District.

Organizations that supplied data are acknowledged in station descriptions.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined as below. See also table for converting English units to International System of units (SI) on page 22.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic metres.

Bed material is the shifting portion of fragmented material of which the streambed is composed.

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, or about 646,000 gallons or 2,445 cubic metres. It represents a runoff of approximately 0.0372 inch from 1 square mile or 0.3468 millimetre from 1 square kilometre.

Coliform and streptococcal organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of bacteria colonies per 100 millilitres is determined by the immediate incubation membrane filter method.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic foot per second (CFS, cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic metre per second.

Discharge is the volume of water (or more broadly, total fluids) that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a given time.

Dissolved-solids content of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents determined in a comprehensive chemical analysis. During the analytical determination of dissolved solids, half the bicarbonate (generally a major dissolved component of water) is converted to carbonate, and the rest is lost as carbon dioxide plus water vapor. Therefore, in the mathematical calculation of dissolved-solids content, the bicarbonate value, in mg/l, is multiplied by 0.492 to reflect the loss and to thereby make calculated and "residue-on-evaporation" values comparable.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hardness of water is a physical-chemical characteristic attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Micrograms per litre (μg/l, UG/L) is a unit for expressing very small concentrations of chemical constituents as the weight (micrograms) of the constituent per unit volume (litre) of water. One thousand micrograms per litre is equivalent to one milligram per litre. See below.

Milligrams per litre (mg/l, MG/L) is a unit for expressing the concentration of chemical constituents. Milligrams per litre represents the weight of the constituent per unit volume of water. Milligrams or micrograms per litre may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per litre by multiplying by the factors in table 1, page 5. Concentration of suspended sediment also is expressed in milligrams per litre, and is based on the weight of sediment per litre of water-sediment mixture. Sediment concentrations may be converted to parts per million by using the factors in table 2, page 5.

Miscellaneous site is a location other than a continuous- or partial-record station where random samples are collected to give better areal coverage of water-quality conditions in a river basin.

Partial-record station is a particular site where limited streamflow or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Table 1.--Factors for conversion of concentrations from milligrams or micrograms per litre to milliequivalents per litre

Ion	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*.......	0.11119	Iodide (I^{-1}).........	0.00788
Ammonia as NH_4^{+1}........	.05544	Iron (Fe^{+3})*.........	.05372
Barium (Ba^{+2})...........	.01456	Lead (Pb^{+2})*.........	.00965
Bicarbonate (HCO_3^{-1})....	.01639	Lithium (Li^{+1})*......	.14411
Bromide (Br^{-1})..........	.01251	Magnesium (Mg^{+2}).....	.08226
Calcium (Ca^{+2})..........	.04990	Manganese (Mn^{+2})*....	.03640
Carbonate (CO_3^{-2}).......	.03333	Nickel (Ni^{+2})*.......	.03406
Chloride (Cl^{-1})..........	.02821	Nitrate (NO_3^{-1})......	.01613
Chromium (Cr^{+6})*........	.11539	Nitrite (NO_2^{-1})......	.02174
Cobalt (Co^{+2})*..........	.03394	Phosphate (PO_4^{-3})....	.03159
Copper (Cu^{+2})*..........	.03148	Potassium (K^{+1})......	.02557
Cyanide (CN^{-1})	.03844	Sodium (Na^{+1})........	.04350
Fluoride (F^{-1})..........	.05264	Strontium (Sr^{+2})*....	.02283
Hydrogen (H^{+1})..........	.99209	Sulfate (SO_4^{-2})......	.02082
Hydroxide (OH^{-1})........	.05880	Zinc (Zn^{+2})..........	.03060

*Constituent reported in micrograms per litre; multiply by factor and divide results by 1,000.

Table 2.--Factors for conversion of sediment concentration in milligrams per litre to parts per million*
(All values calculated to three significant figures)

Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by
0 - 8	1.00	201-217	1.13	411-424	1.26	619-634	1.39
8.05- 24	1.01	218-232	1.14	427-440	1.27	636-650	1.40
24.2 - 40	1.02	234-248	1.15	443-457	1.28	652-666	1.41
40.5 - 56	1.03	250-264	1.16	460-473	1.29	668-682	1.42
56.5 - 72	1.04	266-280	1.17	476-489	1.30	684-698	1.43
72.5 - 88	1.05	282-297	1.18	492-506	1.31	700-715	1.44
88.5 -104	1.06	299-313	1.19	508-522	1.32	717-730	1.45
105 -120	1.07	315-329	1.20	524-538	1.33	732-747	1.46
121 -136	1.08	331-345	1.21	540-554	1.34	749-762	1.47
137 -152	1.09	347-361	1.22	556-570	1.35	765-780	1.48
153 -169	1.10	363-378	1.23	572-585	1.36	782-796	1.49
170 -185	1.11	380-393	1.24	587-602	1.37	798-810	1.50
186 -200	1.12	395-409	1.25	604-617	1.38		

*Based on water density of 1.000 g/ml and a specific gravity of sediment of 2.65.

Particle size is the diameter, in millimetres (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification, used in this report, agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay..........	0.00024 - 0.004	Sedimentation.
Silt..........	.004 - .062	Sedimentation.
Sand..........	.062 - 2.0	Sedimentation or sieve.
Gravel........	2.0 - 64.0	Sieve.

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic matter is removed, and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

Sediment is solid material that orginates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment discharge is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, or by volume that is discharged in a given time. It is computed by multiplying discharge times mg/l times 0.0027.

Total sediment discharge or total sediment load is the sum of the suspended-sediment discharge and the bedload discharge. It is the total quantity of sediment, as measured by dry weight or volume, that is discharged during a given time.

Sediment concentration is the velocity-weighted concentration of sediment in the sampled zone, expressed as milligrams of dry sediment per litre of water-sediment mixture (mg/l).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimetre at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per litre) is about 65 percent of the specific conductance (in micromhos per cm at 25°C). This relation is not constant from stream to stream and may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the volume of water per unit of time, flowing in a channel.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Tons per acre-foot indicates the dry weight of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per litre by 0.00136.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour day.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

Irrigation network stations are water-quality stations located at or near certain streamflow gaging stations west of the main stem of the Mississippi River. Data collected at these stations are used to evaluate the chemical quality of surface waters used for irrigation and the changes resulting from the drainage of irrigated lands. Prior to water year 1966, the data for these stations were published in the annual water-supply paper series, "Quality of Surface Water for Irrigation, Western States."

National stream-quality accounting network is an accounting network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated in the network design. Areal configuration of the network is based on river-basin accounting units designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in stream quality.

Pesticide program is a network of regularly sampled water-quality stations where additional monthly samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Pesticides are chemical compounds used to control the growth of undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Since the first application of DDT as an insecticide in the early 1930's, there have been almost 60,000 pesticide formulations registered, each containing at least one of the approximately 800 different basic pesticide compounds. The United States annually produces about 1 billion pounds of these compounds. Although efforts are being made to substitute many of the chlorinated hydrocarbon pesticides with more specific, fast-acting, and easily degradable compounds, chlorinated hydrocarbon pesticides are still commonly used in many areas of the country.

DOWNSTREAM ORDER AND STATION NUMBERS

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report, the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and continuous-record gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the series of numbers to allow for new stations that may be established; hence the numbers are not consecutive. The complete 8-digit number for each station, such as 10351700, which appears just to the left of the station name, includes the 2-digit part number "10" plus the 6-digit downstream order number "351700." In this report, the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 9 (Colorado River basin), Part 10 (The Great Basin), and Part 13 (Snake River basin). All records for a drainage basin encompassing more than one State can be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

EXPLANATION OF SURFACE WATER RECORDS

Collection and Computation of Data

The basic data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement basic data in determining the daily flow or volume of water in storage. Records of stage are obtained from direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at 15-, 30-, or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements, consideration being given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals, a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs, a monthly summary table of stage and contents or a table showing the daily stage or contents is given. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging station gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, general remarks, and notations of revisions of previously published records. The location of the gaging station and the drainage area are obtained from the most accurate maps available. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. The maximum discharge (or contents), and the maximum gage height, the minimum discharge, if there is little or no regulation (or minimum contents), and the minimum gage height, if it is significant, are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:" the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge (or contents), it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of water-quality records, is given under "REMARKS;" for reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir, is also given under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1933 stands for the water year October 1, 1932, to September 30, 1933. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given.

Skeleton capacity tables are published for all reservoirs for which records of contents are published on a daily basis.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month is also expressed in acre-feet (line headed "AC-FT").

In the yearly summary below the monthly summary, the figures following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subjected to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

For most gaging stations on lakes and reservoirs, the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs, a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations and miscellaneous sites are given in three tables at the end of the surface-water records in this report. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of annual maximum stage and discharge at crest-stage stations, and the third is a table of discharge measurements at miscellaneous sites.

Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are given in a special table following the tables of discharge at partial-record stations and miscellaneous sites.

Accuracy of Data

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent of true value; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft^3/s (if zeros only are used in the hundredths place, it may be for uniformity and should not be considered accurate to the nearest hundredth); to tenths between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures above 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules may apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in Nevada for the period October 1960 to September 1965 are in Water-Supply Papers 1926, 1927, and 1934.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Nevada are compiled in Water-Supply Papers 1313, 1314, and 1317 through September 1950, and in 1733, 1734, and 1737 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other Data Available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Records of Discharge Collected by Agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected in Nevada at other sites during the current water year by other State and Federal agencies. The Office of Water Data Coordination, Water Resources Division, U.S. Geological Survey, Reston, Virginia 22090, maintains an index of these sites. Information on records at specific sites can be obtained from that office upon request.

EXPLANATION OF WATER QUALITY RECORDS

Collection and Examination of Data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of dissolved-solids and sediment loads in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, periods of record for the various water-quality data, extremes of pertinent data, and general remarks, in a format similar to that used for streamflow gaging stations.

Water-quality information is presented for chemical, biological, and microbiological quality, water temperature, and fluvial sediment. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, sodium adsorption ratio, specific conductance, and pH. The biological information includes qualitative and quantitative analyses of plankton. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent once-daily observations except for stations where a continuous temperature recorder (thermograph) furnished information from which daily minimums and maximums are obtained. Fluvial-sediment information is given for total and suspended-sediment discharges and concentrations, and for particle-size distribution of suspended sediment, bed material, and total sediment.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began reporting data for chemical constituents and concentrations of fluvial sediment in milligrams per litre (mg/l) and water temperatures in degrees Celsius (°C). In waters with a density of 1.000 g/ml (grams per millilitre), parts per million and milligrams per litre can be considered equal. In waters greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per litre. Temperatures reported in degrees Celsius may be converted to degrees Fahrenheit by using table 3, p. 17.

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per litre instead of milligrams per litre. (See "Definition of Terms," p. 4, and table for converting English Units to SI Units, p. 22).

Solutes

Most methods for collecting and analyzing water samples to determine the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman (1970). The method for determining elemental constituents by emission spectrographic techniques is described by Barnett and Mallory (1971). Analysis of pesticides, herbicides, and organic substances in water are described by Goerlitz and Lamar (1967), Lamar, Goerlitz, and Law (1968), and Goerlitz and Brown (1972). The collection and analysis of aquatic, biological and microbiological samples are described by Slack and others (1973).

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. Where an apparent inconsistency exists between the reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for surface-water stations. For daily stations, the water temperatures usually are taken about the same time each day when the sample is collected. Large streams have a small diurnal temperature change, whereas small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day, and monthly averages.

Table 3.--Degrees Celsius (°C) to degrees Fahrenheit (°F)*
(Temperature reported to nearest 0.5°C)

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

*C = 5/9 (°F - 32) or °F = 9/5 (°C) + 32.

Sediment

Suspended-sediment concentrations are determined from samples collected using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section. The fluvial-sediment samples are collected periodically. During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently. Although data collected periodically may represent conditions only at the time of observation, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of fluvial sediment, records of periodic measurements of the particle-size distribution of the sediment are included.

Publications

The annual series of water-supply papers that contain information on quality of surface waters in Nevada and adjacent areas listed below.

Water year	WSP No.	Water year	WSP No.	Water year	WSP No.
1941	942	1951	1200	1961	1885
1942	950	1952	1253	1962	1945
1943	970	1953	1293	1963	1951
1944	1022	1954	1353	1964	1958
1945	1030	1955	1403	1965	1965
1946	1050	1956	1453	1966	1995
1947	1102	1957	1523	1967	2015
1948	1133	1958	1574	1968	2098
1949	1163	1959	1645	1969	a 2148
1950	1189	1960	1745	1970	a 2158

a In press.

HYDROLOGIC CONDITIONS

Streamflows for the 1974 water year were generally about 125 percent of average, except in the southern part of the State, which was about 75 percent.

Reservoir storage was near capacity during the peak of the season, and carryover contents were above average at the end of the year.

Summer thundershower activity was considered to be generally near average. One event of rare intensity occurred on Sept. 14, covering a 23 mi^2 (60 km^2) basin that drains into Lake Mohave at Nelson Landing, about 40 mi (64 km) southeast of Las Vegas. A rainfall of 3½ in (90 mm) was observed, which probably fell in less than half an hour. The result was a rapid concentration of runoff in the narrow canyon, which destroyed trailers, vehicles, boats, and the restaurant, and took the lives of nine persons.

Figure 1 on page 25, for which two long-term gaging stations are used, shows a comparison of the monthly and yearly mean discharges for the 1974 water year with the median discharge for the reference period 1931-60.

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_____1953, Accuracy of sediment size analyses made by the bottom-withdrawal-tube method: Rept. 10.

_____1957, The development and calibration of visual accumulation tube: Rept. 11.

_____1957, Some fundamentals of particle-size analysis: Rept. 12.

_____1959, Federal inter-agency sedimentation instruments and reports: Rept. AA.

_____1961, The single stage sampler for suspended sediment: Rept. 13.

_____1963, Determinations of fluvial sediment discharge: Rept. 14.

_____1963, A summary of the work of the inter-agency sedimentation project: Rept. S.

Table 4.--Factors for converting English units to International System units (SI)

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units	By	To obtain SI units
	Length	
inches (in)	25.4	millimetres (mm)
	.0254	metres (m)
feet (ft)	.3048	metres (m)
yards (yd)	.9144	metres (m)
rods	5.0292	metres (m)
miles (mi)	1.609	kilometres (km)
	Area	
acres	4047	square metres (m^2)
	.4047	*hectares (ha)
	.4047	square hectometres (hm^2)
	.004047	square kilometres (km^2)
square miles (mi^2)	2.590	square kilometres (km^2)
	Volume	
gallons (gal)	3.785	**litres (l)
	3.785	cubic decimetres (dm^3)
	3.785×10^{-3}	cubic metres (m^3)
million gallons (10^6 gal)	3785	cubic metres (m^3)
	3.785×10^{-3}	cubic hectometres (hm^3)
cubic feet (ft^3)	28.32	cubic decimetres (dm^3)
	.02832	cubic metres (m^3)
cfs-days [$(ft^3/s)\cdot d$]	2447	cubic metres (m^3)
	2.447×10^{-3}	cubic hectometres (hm^3)
acre-feet (acre-ft)	1233	cubic metres (m^3)
	1.233×10^{-3}	cubic hectometres (hm^3)
	1.233×10^{-6}	cubic kilometres (km^3)
	Flow	
cubic feet per second (ft^3/s)	28.32	litres per second (l/s)
	28.32	cubic decimetres per second (dm^3/s)
	.02832	cubic metres per second (m^3/s)
gallons per minute (gpm)	.06309	litres per second (l/s)
	.06309	cubic decimetres per second (dm^3/s)
	6.309×10^{-5}	cubic metres per second (m^3/s)
million gallons per day (mgd)	43.81	cubic decimetres per second (dm^3/s)
	.04381	cubic metres per second (m^3/s)
	Mass	
tons (short)	.9072	tonnes (t)

*The unit hectare is approved for use with the International System (SI) for a limited time. See NBS Special Bulletin 330, p.15, 1972 edition.

**The unit litre is accepted for use with the International System (SI). See NBS Special Bulletin 330, p. 13, 1972 edition.

PART 1. SURFACE WATER RECORDS

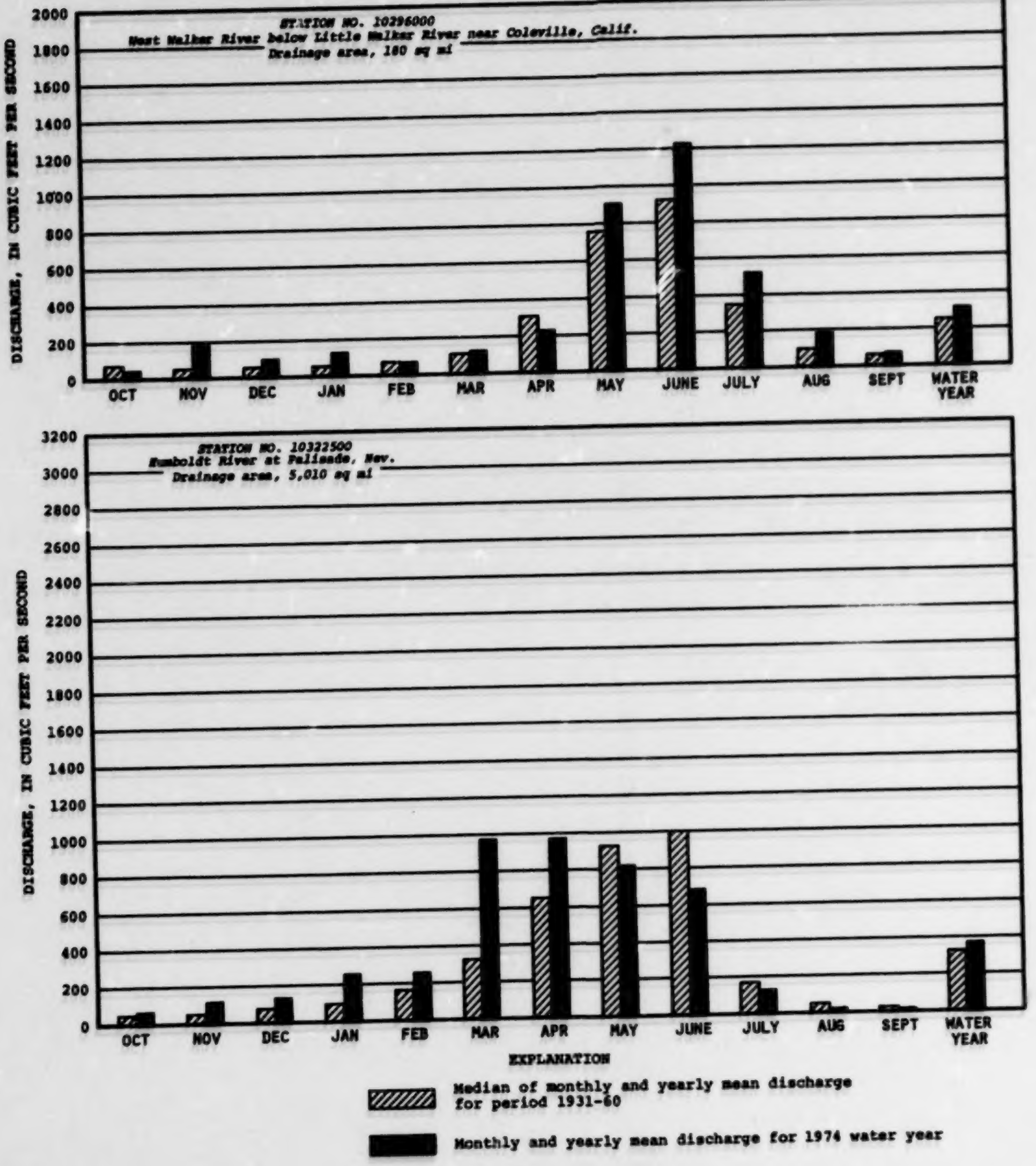

FIGURE 1 - COMPARISON OF DISCHARGE AT TWO LONG-TERM REPRESENTATIVE GAGING STATIONS DURING 1974 WATER YEAR WITH MEDIAN DISCHARGE FOR PERIOD 1931-60.

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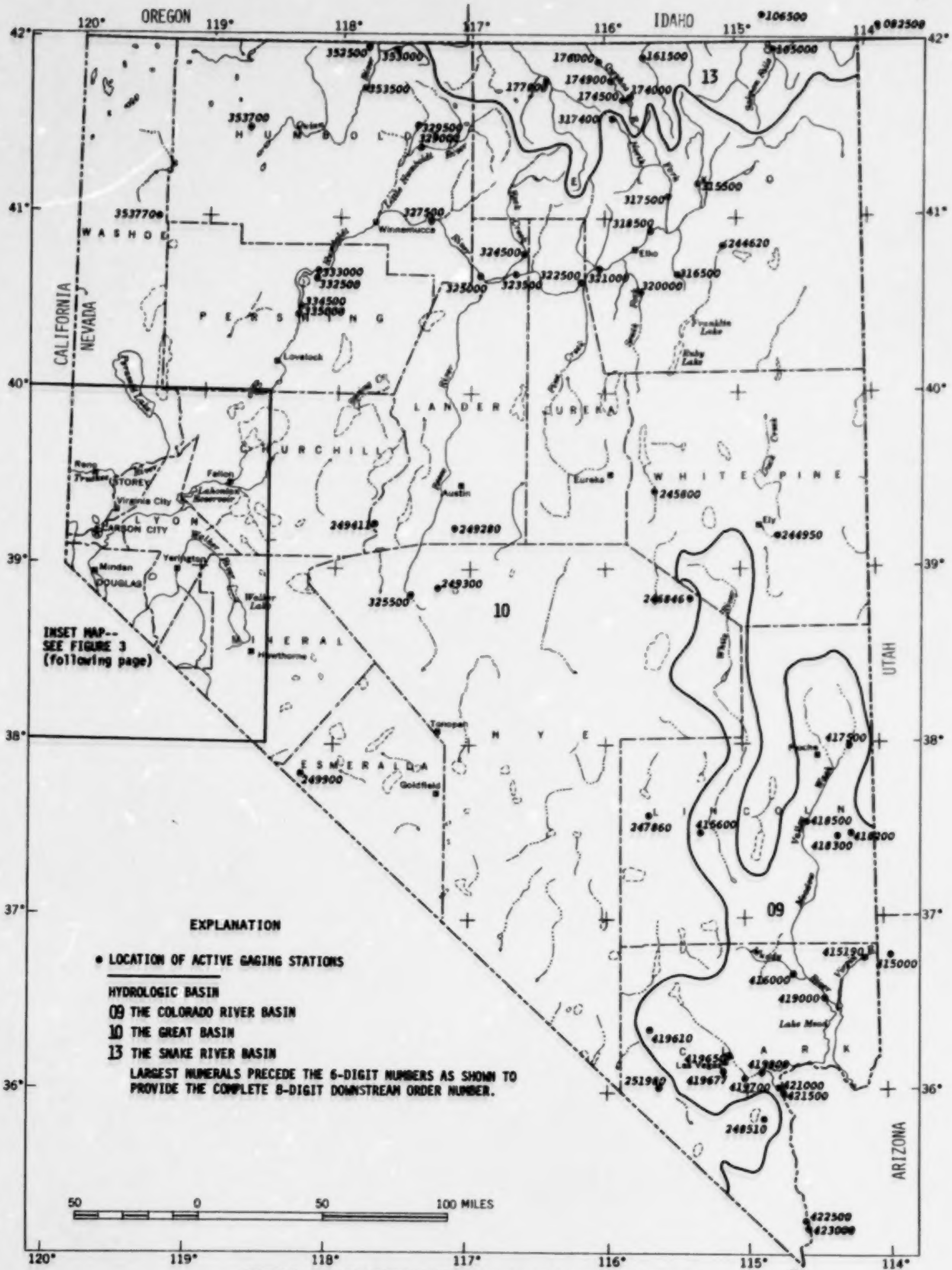

FIGURE 2.--MAP OF NEVADA SHOWING LOCATION OF ACTIVE GAGING STATIONS

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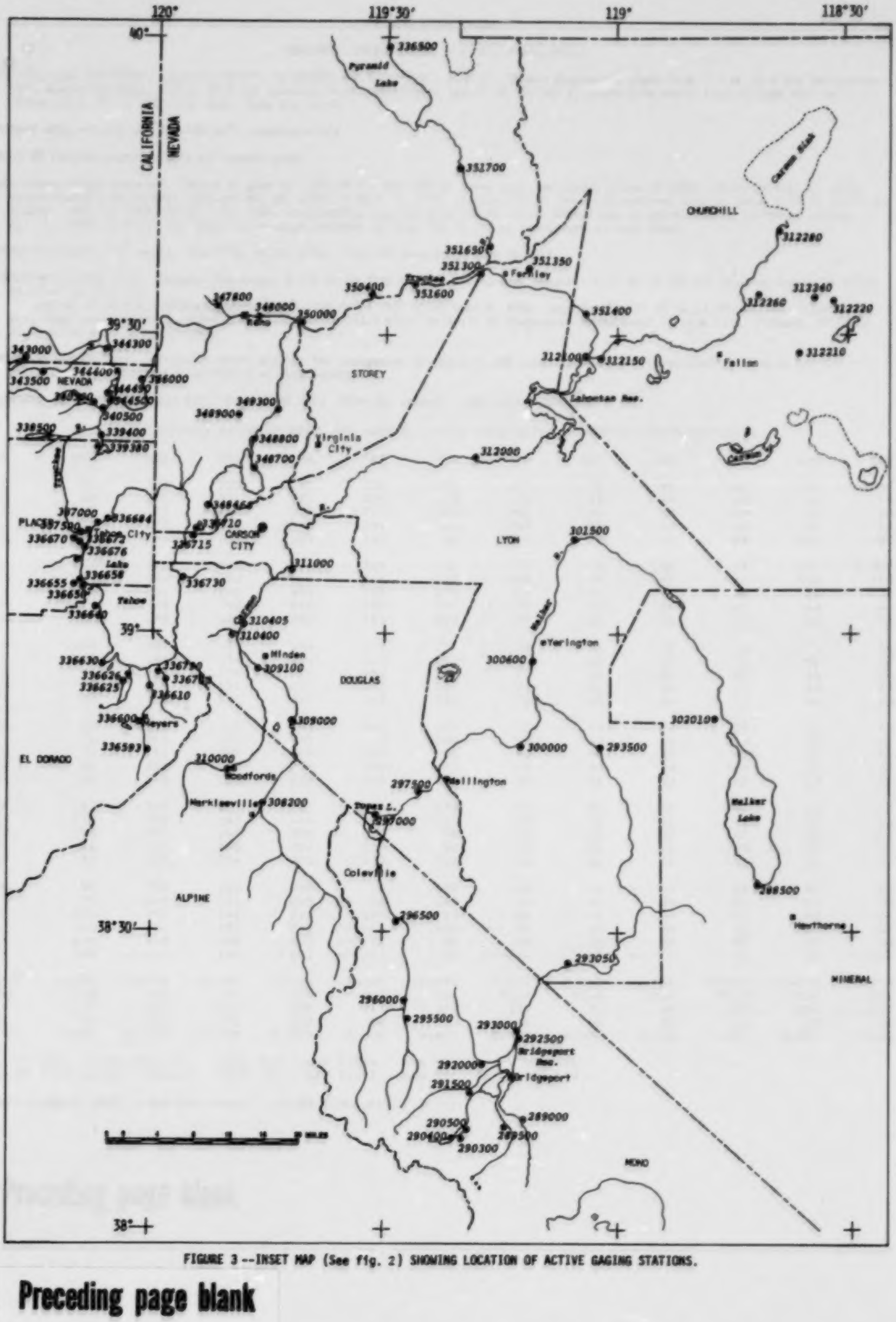

FIGURE 3 --INSET MAP (See fig. 2) SHOWING LOCATION OF ACTIVE GAGING STATIONS.

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09415000 Virgin River at Littlefield, Ariz.

LOCATION.--Lat 36°53'30", long 113°55'25", in SW¼SW¼ sec.4, T.40 N., R.15 W., Mohave County, on right bank 0.5 mi (0.8 km) downstream from Beaver Dam Wash, 0.4 mi (0.6 km) upstream from Littlefield, and 36 mi (58 km) upstream from water line of Lake Mead at elevation 1,221 ft (372.2 m) above mean sea level.

DRAINAGE AREA.--5,090 mi^2 (13,180 km^2), approximately.

PERIOD OF RECORD.--October 1929 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,763.68 ft (537.570 m) above mean sea level, datum of 1929. Prior to May 28, 1933, nonrecording gage at same site and May 28, 1933, to Nov. 7, 1939, at site 300 ft (90 m) downstream, both at datum 2.53 ft (0.771 m) higher. Nov. 8, 1939, to Mar. 31, 1942, nonrecording gage at site 300 ft (90 m) downstream at datum 2.00 ft (0.610 m) higher. Apr. 1, 1942, to Sept. 30, 1970, water-stage recorder at site 300 ft (90 m) downstream at same datum.

AVERAGE DISCHARGE.--45 years, 226 ft^3/s (6.400 m^3/s), 163,700 acre-ft/yr (202 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 5,840 ft^3/s (165 m^3/s) Sept. 5, gage height, 10.26 ft (3.127 m); minimum daily, 54 ft^3/s (1.53 m^3/s) Oct. 3-7.

Period of record: Maximum discharge, 35,200 ft^3/s (997 m^3/s) Dec. 6, 1966, gage height, 15.66 ft (4.773 m), site then in use, from rating curve extended above 1,500 ft^3/s (42.5 m^3/s) on basis of slope-area measurement of peak flow; minimum, 39 ft^3/s (1.10 m^3/s) Aug. 4, 6, 9, 1966.

REMARKS.--Records fair. Diversion above station for irrigation of about 23,200 acres (93.9 km^2). Water-quality records for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 959: 1932. WSP 979: 1930-31, 1933-37. WSP 1313: 1940 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	132	238	141	214	102	85	70	64	68	111	64
2	56	135	231	141	207	112	72	70	64	68	80	64
3	54	120	256	132	204	304	392	70	64	68	70	66
4	54	123	228	135	195	324	245	70	62	66	68	66
5	54	141	217	189	192	180	144	70	62	66	284	457
6	54	129	198	224	195	153	135	70	64	66	181	1,390
7	54	138	198	214	186	159	105	68	64	66	168	190
8	60	141	192	273	192	171	80	68	62	68	66	80
9	80	129	195	276	195	231	75	66	64	68	64	68
10	95	138	180	252	192	228	72	66	66	70	64	58
11	108	147	177	234	192	228	72	66	66	70	64	60
12	102	141	174	224	183	201	72	66	66	70	64	62
13	80	138	174	224	183	189	70	66	66	70	64	64
14	72	153	171	220	171	177	72	68	64	70	64	68
15	78	144	171	217	168	171	72	68	64	72	64	66
16	82	153	165	201	147	177	72	68	64	75	63	68
17	78	162	171	195	147	189	72	68	62	70	63	66
18	75	171	162	220	147	204	68	68	62	68	63	64
19	85	260	168	234	150	171	68	66	64	72	63	64
20	98	256	168	220	135	141	68	66	62	75	63	62
21	112	207	153	285	141	126	66	66	62	96	63	62
22	112	210	147	444	132	115	68	66	62	94	60	62
23	98	256	150	298	123	98	66	66	62	92	62	62
24	86	242	156	256	126	92	66	66	58	180	62	60
25	80	252	174	262	132	115	66	66	56	135	62	60
26	95	256	189	238	95	102	66	66	56	66	62	60
27	95	245	174	245	98	123	66	66	60	56	64	66
28	108	231	141	242	105	123	68	62	64	62	62	66
29	112	231	153	228	------	102	68	60	66	64	62	64
30	126	242	150	228	------	92	70	60	66	58	62	64
31	129	------	144	231	------	85	------	62	------	75	62	------
TOTAL	2,628	5,423	5,565	7,123	4,547	4,985	2,781	2,064	1,888	2,364	2,474	3,773
MEAN	84.8	181	180	230	162	161	92.7	66.6	62.9	76.3	79.8	126
MAX	129	260	256	444	214	324	392	70	66	180	284	1,390
MIN	54	120	141	132	95	85	66	60	56	56	60	58
AC-FT	5,210	10,760	11,040	14,130	9,020	9,890	5,520	4,090	3,740	4,690	4,910	7,480

CAL YR 1973 TOTAL 154,495 MEAN 423 MAX 3,000 MIN 48 AC-FT 306,400
WTR YR 1974 TOTAL 45,615 MEAN 125 MAX 1,390 MIN 54 AC-FT 90,480

PEAK DISCHARGE (BASE, 1,600 CFS).--Sept. 5 (2130) 5,840 cfs (10.26 ft).

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09415190 Virgin River at Riverside, Nev.

LOCATION.--Lat 36°43'57", long 114°13'28", in SW¼NE¼ sec.12, T.14 S., R.69 E., Clark County, on right bank about 1,500 ft (457 m) downstream from highway bridge at Riverside.

DRAINAGE AREA.--5,890 mi^2 (15,260 km^2), approximately.

PERIOD OF RECORD.--December 1970 to Sept. 30, 1974 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 1,410 ft (429.8 m) above mean sea level. Prior to Jan. 17, 1974, at site 2,100 ft (640 m) upstream at different datum.

EXTREMES.--Current year: Maximum discharge, 2,520 ft^3/s (71.4 m^3/s) Sept. 6, gage height, 10.50 ft (3.200 m); no flow July 4-9, Aug. 13, 14, Sept. 12-14, 16-18, 21.

Period of record: Maximum discharge, 17,380 ft^3/s (492 m^3/s) Sept. 20, 1972, gage height, 8.37 ft (2.551 m), site and datum then in use; no flow on some days each year.

Peak flow of Dec. 6, 1966 was about 35,000 ft^3/s (991 m^3/s) based on indirect measurement made about 19 mi (31 km) upstream, gage height, 12.2 ft (3.72 m), datum in use prior to Jan. 17, 1974, from high water marks.

REMARKS.--Records poor. Several diversions for irrigation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	93	205	170	195	84	95	4.0	5.4	.10	7.4	.88
2	14	94	200	165	175	82	140	30	9.8	.06	6.6	1.3
3	14	96	200	165	165	100	231	5.4	4.0	.06	5.4	.58
4	12	86	230	155	160	240	155	9.0	.38	0	9.0	.58
5	12	88	220	160	155	260	57	42	.10	0	116	.88
6	12	102	210	230	150	152	36	6.6	9.8	0	115	672
7	12	94	205	260	155	144	91	2.0	.24	0	63	184
8	16	100	205	250	150	164	17	7.4	.03	0	63	28
9	23	100	200	320	155	168	11	11	.88	0	5.4	9.8
10	29	90	210	315	155	184	22	.24	.58	.02	.24	9.8
11	38	100	205	290	155	152	60	.24	.58	.06	1.3	.24
12	52	106	200	275	155	144	28	16	.58	.06	.16	0
13	48	100	200	265	155	152	23	7.4	6.6	.06	0	0
14	45	96	195	265	150	116	23	7.4	.24	1.3	0	0
15	39	108	195	260	145	112	5.4	5.4	.16	.88	.10	.01
16	42	102	195	250	140	120	5.4	24	2.0	.88	.38	0
17	45	110	190	240	125	144	22	1.3	.06	2.0	.38	0
18	43	115	200	220	125	120	20	.58	.24	4.0	.88	0
19	42	130	190	250	125	110	13	13	.02	2.0	.58	.38
20	46	180	193	270	130	75	26	.88	11	1.3	.24	.02
21	60	175	190	260	120	75	32	.38	.88	5.4	.38	0
22	70	144	180	340	122	75	23	.38	.24	5.4	.58	2.0
23	72	150	170	440	116	75	24	28	6.6	2.8	.58	.01
24	66	180	175	280	110	91	20	8.2	.16	6.6	.16	.01
25	62	170	180	210	119	95	39	2.0	.10	114	1.3	.02
26	56	196	205	220	124	91	5.4	11	.16	.58	1.3	.88
27	68	194	220	190	78	105	5.4	2.0	.16	.10	.58	6.6
28	66	190	200	200	80	130	20	2.0	2.0	.24	.24	2.0
29	76	185	170	200	------	125	8.2	2.0	.88	.10	2.0	.50
30	80	190	180	190	------	125	6.6	9.8	5.4	.24	1.3	.50
31	90	------	175	190	------	160	------	4.0	------	.24	.88	------
TOTAL	1,364	3,864	6,093	7,495	3,889	3,970	1,264.4	263.60	69.27	148.48	404.36	920.99
MEAN	44.0	129	197	242	139	128	42.1	8.50	2.31	4.79	13.0	30.7
MAX	90	196	230	440	195	260	231	42	11	114	116	672
MIN	12	86	170	155	78	75	5.4	.24	.02	0	0	0
AC-FT	2,710	7,660	12,090	14,870	7,710	7,870	2,510	523	137	295	802	1,830

CAL YR 1973 TOTAL 150,494.00 MEAN 412 MAX 3,700 MIN 0 AC-FT 298,500
WTR YR 1974 TOTAL 29,746.10 MEAN 81.5 MAX 672 MIN 0 AC-FT 59,000

NOTE.--No gage-height record Oct. 1 to Mar. 6.

09415600 Pahranagat Valley tributary near Hiko, Nev.

LOCATION.--Lat 37°29'20", long 115°20'10", in NE$\frac{1}{4}$ sec.27, T.5 S., R.59 E., Lincoln County, on left bank of left bank tributary on upstream side of culvert on State Highway 25, 10 mi (16 km) southwest of Hiko, and 47 mi (76 km) west of Caliente.

DRAINAGE AREA.--17 mi^2 (44 km^2), approximately.

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Altitude of gage is 4,800 ft (1,463 m) from AMS map. Crest-stage gage only Oct. 1, 1963, to May 5, 1964, at same site and datum.

AVERAGE DISCHARGE.--11 years, 0.002 ft^3/s (0.0001 m^3/s), 1.4 acre-ft/yr (1,730 m^3/yr).

EXTREMES.--Current year: No flow for entire year.

Period of record: Maximum discharge, 162 ft^3/s (4.59 m^3/s) June 22, 1972, gage height, 9.99 ft (3.045 m), from slope area measurement of peak flow; no flow most of time.

REMARKS.--Records good. No flow exists in channel except at times of heavy rainfall or rapid snowmelt. Discharge measurements or observation of no flow made generally once a month.

09416000 Muddy River near Moapa, Nev.

LOCATION.--Lat 36°42'40", long 114°41'40", in SE¼SE¼ sec.15, T.14 S., R.65 E., Clark County, on left bank 0.1 mi (0.2 km) upstream from Battleship Wash, 0.8 mi (1.3 km) downstream from Home Ranch, 5 mi (8 km) northwest of Moapa, and 9.5 mi (15.3 km) upstream from Meadow Valley Wash.

DRAINAGE AREA.--3,820 mi^2 (9,890 km^2), approximately, of which about 40 mi^2 (104 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--July 1913 to September 1915, April 1916 to September 1918, June 1928 to October 1931, April to July 1932, October 1944 to current year. Monthly discharge only for some periods, published in WSP 1313. Records for January 1904 to December 1906 (gage heights only), 1908-9 (discharge measurements only), and April to October 1910 not equivalent owing to large difference in drainage area.

GAGE.--Water-stage recorder and Cipolletti weir. Altitude of gage is 1,710 ft (521 m), from river-profile map. October 21, 1944, to September 30, 1948, water-stage recorder at datum 0.08 ft (0.024 m) higher.

AVERAGE DISCHARGE.--37 years (1913-15, 1916-18, 1928-31, 1944-74), 45.3 ft^3/s (1.283 m^3/s), 32,820 acre-ft/yr (40.5 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 78 ft^3/s (2.21 m^3/s) Dec. 17, gage height, 1.91 ft (0.582 m); minimum daily, 33 ft^3/s (0.93 m^3/s) July 9, Aug. 26.

Period of record: Maximum discharge, 5,100 ft^3/s (144 m^3/s) Sept. 7, 1967, gage height, 12.35 ft (3.764 m); minimum, 27 ft^3/s (0.76 m^3/s) Nov. 26, 1967.

REMARKS.--Records good except those for periods of no gage-height record, which are poor. Diversions for irrigation above station. Normal flow originates from springs in reach 0.9 to 2.5 mi (1.4 to 4.0 km) upstream from station. Flood peaks may be dampened by Arrow Canyon Dam.

REVISIONS (WATER YEARS).--WSP 1243: 1914 (M). WSP 1343: 1950 (M). WSP 1733: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	42	48	39	47	45	42	39	37	35	35	36
2	40	43	48	39	46	45	42	39	37	35	35	36
3	41	43	48	39	47	44	40	39	37	35	35	36
4	40	42	46	39	47	45	41	38	37	35	35	36
5	40	42	44	39	47	44	41	39	37	35	37	35
6	40	44	43	42	47	45	40	41	37	35	35	35
7	40	43	44	43	47	45	40	40	37	35	34	34
8	41	43	43	45	47	45	40	39	37	34	34	34
9	41	43	43	43	48	44	40	39	37	33	35	35
10	41	43	42	43	47	44	40	39	38	34	34	36
11	43	44	44	44	46	45	39	39	38	34	34	36
12	44	43	47	46	45	45	39	40	36	35	35	37
13	44	46	45	47	45	45	40	39	37	35	35	37
14	45	46	52	47	45	43	41	39	36	35	35	37
15	44	46	46	46	45	43	43	39	36	35	36	37
16	43	46	47	45	46	44	45	39	37	35	35	37
17	42	46	46	44	46	45	43	39	36	35	35	37
18	42	47	48	45	46	45	43	39	35	35	36	37
19	43	47	48	46	46	43	43	40	35	35	35	38
20	43	47	42	46	46	43	43	40	36	35	36	38
21	41	47	46	45	46	41	43	39	36	36	36	37
22	42	43	46	46	45	42	40	38	36	35	35	36
23	41	42	45	46	43	42	40	39	37	36	34	35
24	41	46	45	46	43	42	39	38	35	39	34	35
25	41	48	46	46	44	42	39	38	35	36	34	37
26	41	48	42	46	45	42	39	39	35	35	33	37
27	41	48	40	46	45	42	39	39	35	35	35	37
28	41	48	38	47	45	42	38	38	35	35	36	37
29	40	46	39	46	------	42	37	39	35	35	37	38
30	41	45	38	46	------	42	38	39	36	35	37	38
31	41	------	40	46	------	42	------	37	------	36	36	------
TOTAL	1,289	1,347	1,379	1,373	1,282	1,348	1,217	1,208	1,088	1,088	1,088	1,091
MEAN	41.6	44.9	44.5	44.3	45.8	43.5	40.6	39.0	36.3	35.1	35.1	36.4
MAX	45	48	52	47	48	45	45	41	38	39	37	38
MIN	40	42	38	39	43	41	37	37	35	33	33	34
AC-FT	2,560	2,670	2,740	2,720	2,540	2,670	2,410	2,400	2,160	2,160	2,160	2,160

CAL YR 1973 TOTAL 15,859 MEAN 43.4 MAX 73 MIN 35 AC-FT 31,460
WTR YR 1974 TOTAL 14,798 MEAN 40.5 MAX 52 MIN 33 AC-FT 29,350

NOTE.--No gage-height record Nov. 5 to Dec. 4, Dec. 24 to Jan. 19, June 10 to Aug. 15.

09417500 Meadow Valley Wash at Eagle Canyon, near Ursine, Nev.

LOCATION.—Lat 38°00'10", long 114°12'20", in SW¼ sec.25, T.2 N., R.69 E., Lincoln County, on right bank in Eagle Canyon, 1.7 mi (2.7 km) upstream from Ursine, 14 mi (23 km) upstream from Patterson Wash, and 18 mi (29 km) east of Pioche.

DRAINAGE AREA.—293 mi^2 (759 km^2).

PERIOD OF RECORD.—August 1962 to Sept. 30, 1974 (discontinued). Prior to October 1972, published as Spring Valley Creek near Ursine.

GAGE.—Water-stage recorder. Altitude of gage is 5,500 ft (1,676 m), from topographic map.

AVERAGE DISCHARGE.—12 years, 6.86 ft^3/s (0.194 m^3/s), 4,970 acre-ft/yr (6.13 hm^3/yr).

EXTREMES.—Current year: Maximum discharge, 165 ft^3/s (4.67 m^3/s) Mar. 1, gage height, 2.35 ft (0.716 m); minimum, 0.21 ft^3/s (0.006 m^3/s) Jan. 2.

Period of record: Maximum discharge, 700 ft^3/s (19.8 m^3/s) Jan. 25, 1969, gage height, 4.07 ft (1.241 m), from rating curve extended above 70 ft^3/s (1.98 m^3/s) on basis of two slope-area measurements of peak flow; minimum, 0.21 ft^3/s (0.006 m^3/s) Jan. 2, 1974.

REMARKS.—Records good. Several diversions for irrigation above station. Flow regulated by Eagle Valley and Hollinger Reservoirs, total capacity, 1,470 acre-ft (1.81 hm^3).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.60	.90	1.7	2.1	7.1	45	5.8	3.8	3.6	3.2	3.9	3.1
2	.60	.90	1.8	1.7	6.9	96	9.8	3.8	3.6	3.2	3.9	3.1
3	.60	1.0	1.8	2.0	7.1	36	9.5	3.8	3.6	3.2	3.7	3.1
4	.70	1.0	1.8	2.0	6.9	22	7.8	3.6	3.6	3.3	3.8	3.1
5	.70	1.0	2.1	2.0	7.1	17	7.1	3.8	3.5	3.4	3.5	3.1
6	.70	1.1	2.2	2.2	6.9	19	6.2	3.8	3.5	3.5	3.4	3.2
7	.70	1.1	2.4	2.5	6.6	19	5.6	4.0	3.5	3.8	3.4	3.1
8	.90	1.1	2.2	4.3	6.6	16	5.4	4.3	3.5	3.8	3.1	3.1
9	.80	1.1	2.5	5.0	6.2	13	5.0	4.3	3.5	3.9	3.1	3.0
10	.80	1.2	2.6	5.4	6.4	14	5.0	4.3	3.5	3.9	3.1	3.0
11	.80	1.0	2.6	5.4	6.6	14	5.2	4.0	3.5	4.1	3.1	3.0
12	.80	1.1	2.5	5.4	7.1	12	5.2	3.8	3.5	3.9	3.1	3.0
13	.80	1.2	2.7	5.4	7.6	11	4.8	3.2	3.5	3.7	3.1	3.0
14	.80	1.2	2.7	5.6	7.8	10	4.8	2.9	3.4	3.6	3.1	3.0
15	.80	1.2	2.6	6.0	8.5	9.5	4.8	3.0	3.4	3.9	3.1	3.0
16	.90	1.3	3.0	6.2	9.0	8.8	4.7	3.2	3.4	3.8	3.2	3.0
17	.90	1.3	2.5	6.9	9.0	8.3	4.7	2.7	3.3	3.3	3.1	3.0
18	.90	1.4	3.0	7.3	8.5	7.8	4.7	2.5	3.1	3.4	3.1	3.0
19	.80	1.3	3.2	7.1	8.5	7.6	4.1	2.7	3.1	3.5	3.1	2.9
20	.90	1.3	2.0	7.3	8.3	7.1	4.3	3.6	3.1	3.8	3.1	2.9
21	.90	1.3	1.7	8.5	7.3	6.6	4.5	3.6	3.1	3.7	3.1	2.9
22	.90	1.3	1.8	7.1	7.3	6.4	4.7	3.6	3.1	3.5	3.0	2.9
23	.90	1.4	1.8	7.1	7.3	6.2	4.5	3.6	3.1	3.4	3.0	2.9
24	.90	1.4	1.8	6.9	7.1	6.0	4.0	3.6	3.1	3.5	3.1	2.9
25	.90	1.5	2.0	6.9	7.3	5.4	3.6	3.5	3.1	3.4	3.0	2.9
26	.90	1.5	2.0	6.9	7.8	5.6	3.3	3.6	3.1	3.8	3.0	2.8
27	.90	1.5	2.1	6.6	9.0	6.4	3.6	3.5	3.1	3.8	3.0	2.8
28	.90	1.5	2.1	6.6	13	6.2	3.8	3.5	3.2	3.6	3.0	2.9
29	.90	1.6	2.1	6.6	------	6.0	3.8	3.5	3.1	3.7	3.1	2.9
30	.90	1.7	2.0	6.6	------	5.8	3.8	3.5	3.2	4.0	3.1	2.9
31	.90	------	2.1	6.6	------	5.8	------	3.5	------	4.0	3.1	------
TOTAL	25.40	37.40	69.4	168.2	214.8	459.5	154.1	110.1	99.9	112.6	99.5	89.5
MEAN	.82	1.25	2.24	5.43	7.67	14.8	5.14	3.55	3.33	3.63	3.21	2.98
MAX	.90	1.7	3.2	8.5	13	96	9.8	4.3	3.6	4.1	3.9	3.2
MIN	.60	.90	1.7	1.7	6.2	5.4	3.3	2.5	3.1	3.2	3.0	2.8
AC-FT	50	74	138	334	426	911	306	218	198	223	197	178

CAL YR 1973 TOTAL 3,847.20 MEAN 10.5 MAX 118 MIN .60 AC-FT 7,630
WTR YR 1974 TOTAL 1,640.40 MEAN 4.49 MAX 96 MIN .60 AC-FT 3,250

VIRGIN RIVER BASIN

09418200 Mathews Canyon Wash near Caliente, Nev.

LOCATION.--Lat 37°29'55", long 114°13'20", in E½ sec.24, T.5 S., R.69 E., Lincoln County, on right bank at downstream end of stilling basin at outlet of conduit through flood-control dam, 2.5 mi (4.0 km) upstream from mouth, and 17 mi (27 km) southeast of Caliente.

DRAINAGE AREA.--34 mi^2 (88 km^2), approximately (by Corps of Engineers, U.S. Army).

PERIOD OF RECORD.--June 1958 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5,409.10 ft (1,648.694 m) above mean sea level, datum of 1929 (levels by Corps of Engineers).

AVERAGE DISCHARGE.--16 years, 0.504 ft^3/s (0.0143 m^3/s). 365 acre-ft/yr (450,000 m^3/yr).

EXTREMES.--Current year: No flow for the entire year.
Period of record: Maximum discharge, 206 ft^3/s (5.83 m^3/s) Dec. 29, 1965, gage height, 11.85 ft (3,612 m) no flow most of the time.

REMARKS.--Records good. No flow exists in this channel except at times of heavy rainfall or rapid snowmelt. Floods that occur in the drainage above station will be controlled by dam (constructed in 1958 by the Corps of Engineers, U.S. Army). Water is released from a 3.5-ft diameter uncontrolled conduit through dam. Flow over dam spillway will bypass station.

VIRGIN RIVER BASIN

09418300 Pine Canyon Wash near Caliente, Nev.

LOCATION.--Lat 37°28'40", long 114°19'00", in sec.30, T.5 S., R.69 E., Lincoln County, on left bank 100 ft (30 m) downstream from outlet of flood-control dam, 4 mi (6 km) upstream from mouth, and 14 mi (23 km) southeast of Caliente.

DRAINAGE AREA.--45 mi^2 (117 km^2), approximately (by Corps of Engineers, U.S. Army).

PERIOD OF RECORD.--June 1958 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 5,595 ft (1,705.4 m) (by Corps of Engineers damsite topography).

AVERAGE DISCHARGE.--16 years, 1.23 ft^3/s (0.035 m^3/s), 891 acre-ft/yr (1.10 hm^3/yr).

EXTREMES.--Current year: No flow for the entire year.
Period of record: Maximum discharge, 238 ft^3/s (6.74 m^3/s) Dec. 7, 1966, gage height, 3.92 ft (1.195 m); no flow most of the time.

REMARKS.--Records good. There is no flow at this station except following heavy rainstorms or during periods of rapid snowmelt. Floods that occur in the drainage above the station will be controlled by dam (constructed in 1958 by the Corps of Engineers, U.S. Army). Water is released from a 3.5-ft diameter uncontrolled conduit through dam. Flow over dam spillway will bypass station.

09418500 Meadow Valley Wash near Caliente, Nev.

LOCATION.--Lat 37°33'20", long 114°33'50", in NE¼ sec.35, T.4 S., R.66 E., Lincoln County, on right bank 6 mi (10 km) downstream from Clover Creek, 0.5 mi (0.8 km) east of Etna, and 4.5 mi (7.2 km) southwest of Caliente.

DRAINAGE AREA.--1,670 mi^2 (4,325 km^2).

PERIOD OF RECORD.--January 1951 to September 1960, November 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,200 ft (1,280 m), by barometer. Prior to June 16, 1955, at site 1.8 mi (2.9 km) downstream at different datum.

AVERAGE DISCHARGE.--18 years (1951-60, 1965-74) 11.3 ft^3/s (0.320 m^3/s), 8,190 acre-ft/yr (10.1 hm^3).

EXTREMES.--Current year: Maximum discharge, 734 ft^3/s (20.8 m^3/s) Aug. 4, gage height, 5.56 ft (1.695 m); minimum, 1.2 ft^3/s (0.034 m^3/s) Sept. 10-12.

Period of record: Maximum discharge, 1,500 ft^3/s (42.5 m^3/s) June 30, 1956, gage height, 8.0 ft (2.44 m), from floodmarks; no flow July 26-28, 1966.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Several diversions for irrigation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	2.0	3.0	3.8	7.8	50	8.2	7.8	3.5	2.6	2.6	1.9
2	1.5	2.0	3.2	3.5	8.3	100	11	7.0	3.8	2.4	2.3	1.9
3	1.5	2.0	3.8	3.5	8.7	50	14	6.2	3.8	2.5	2.9	2.2
4	1.5	2.0	4.0	3.8	8.7	30	12	6.6	3.2	2.4	67	2.2
5	1.5	2.1	4.0	4.0	8.7	21	10	7.0	3.0	2.4	7.9	5.9
6	1.6	2.1	4.0	4.2	8.3	22	8.8	7.4	3.0	2.4	2.3	30
7	1.6	2.1	4.2	4.5	8.3	23	8.0	7.8	3.0	2.3	1.6	1.5
8	1.6	2.1	4.0	4.8	7.8	21	7.6	7.4	3.0	2.4	1.7	1.9
9	1.6	2.1	4.0	5.8	8.3	16	7.2	6.2	3.0	2.4	1.6	1.8
10	1.6	2.1	4.2	5.5	8.3	16	7.1	5.5	3.8	2.3	1.7	1.4
11	1.7	2.1	4.2	5.8	8.7	16	7.4	4.5	3.5	2.2	1.6	1.4
12	1.6	2.1	4.5	5.5	9.2	15	5.8	4.0	3.2	2.3	1.6	1.4
13	1.6	2.2	4.8	5.8	10	14	6.2	4.2	2.7	2.2	1.6	1.6
14	1.7	2.2	4.8	5.8	11	12	5.8	4.2	2.5	2.0	1.6	1.9
15	1.7	2.2	4.8	5.5	14	12	6.6	4.2	2.8	2.1	1.6	2.0
16	1.7	2.2	4.8	5.8	16	11	6.6	4.0	2.5	2.5	1.7	1.9
17	1.7	2.2	4.8	6.6	22	10	7.0	3.5	2.5	2.3	1.7	1.7
18	1.9	2.4	5.1	6.6	20	10	6.6	3.5	2.4	2.2	1.7	1.8
19	1.9	2.4	4.0	7.4	18	9.6	7.0	3.8	2.2	2.1	1.7	1.9
20	1.9	2.4	3.0	7.4	15	9.4	6.2	3.8	2.5	2.5	1.7	2.1
21	1.9	2.6	3.0	7.0	13	9.0	6.6	3.5	2.8	2.3	1.7	1.7
22	1.9	2.6	3.8	6.6	13	8.8	6.6	3.8	2.5	2.5	1.7	1.5
23	1.9	2.4	3.8	7.0	13	8.6	6.2	4.2	2.1	7.0	1.7	1.6
24	1.9	2.6	4.0	7.0	12	8.2	6.6	4.5	2.0	4.0	1.8	1.6
25	1.9	2.6	3.8	7.0	11	7.6	6.6	4.2	2.2	2.9	1.7	1.7
26	1.9	2.8	3.8	6.2	11	7.6	6.6	4.0	2.2	2.0	1.7	1.9
27	2.0	2.8	4.0	5.8	11	8.4	7.0	4.2	1.9	2.8	1.7	1.7
28	2.0	2.8	4.5	6.6	13	9.0	7.4	4.2	2.1	3.6	1.7	1.6
29	2.0	2.8	4.8	6.6	------	8.6	7.8	4.2	2.5	2.7	1.7	1.7
30	2.0	3.0	4.8	6.6	------	8.2	8.7	4.2	2.4	2.2	1.9	1.7
31	2.1	------	4.0	7.0	------	8.2	------	4.0	------	2.8	1.9	------
TOTAL	54.4	70.0	127.5	179.0	324.1	560.2	229.2	153.6	82.6	81.3	127.3	85.1
MEAN	1.75	2.33	4.11	5.77	11.6	18.1	7.64	4.95	2.75	2.62	4.11	2.84
MAX	2.1	3.0	5.1	7.4	22	100	14	7.8	3.8	7.0	67	30
MIN	1.5	2.0	3.0	3.5	7.8	7.6	5.8	3.5	1.9	2.0	1.6	1.4
AC-FT	108	139	253	355	643	1,110	455	305	164	161	252	169

CAL YR 1973 TOTAL 4,518.4 MEAN 12.4 MAX 140 MIN 1.4 AC-FT 8,960
WTR YR 1974 TOTAL 2,074.3 MEAN 5.68 MAX 100 MIN 1.4 AC-FT 4,110

Peak discharge (base, 300 cfs).--Aug.4 (2000) 734 cfs (5.56 ft).

NOTE.--No gage-height record Mar. 1 to Apr. 10.

09419000 Muddy River near Glendale, Nev.

LOCATION.--Lat 36°38'35", long 114°32'20", in SW¼ sec.7, T.15 S., R.67 E., Clark County, on left bank at the Narrows, 150 ft (46 m) downstream from Weiser Wash, 2 mi (3 km) southwest of Glendale, 2.4 mi (3.9 km) downstream from Meadow Valley Wash, and 4.5 mi (7.2 km) northwest of Logandale.

DRAINAGE AREA.--6,780 mi^2 (17,600 km^2), approximately, of which about 3,000 mi^2 (7,770 km^2) contributes directly to surface runoff.

PERIOD OF RECORD.--January 1904 to December 1906 (gage heights only) and April to October 1910 (published as "near Moapa"), July 1913 to February 1914 (published as "near Logan"), February 1950 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,460 ft (445 m), from river-profile map. Jan. 1, 1904, to Dec. 31, 1906, nonrecording gage just upstream at different datum. Apr. 22, 1910, to Feb. 21, 1914, nonrecording gage and rating flume at lower end of the Narrows, 1.2 mi (1.9 km) downstream at different datum.

AVERAGE DISCHARGE.--24 years (1950-74), 45.8 ft^3/s (1.297 m^3/s), 33,180 acre-ft/yr (40.9 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 113 ft^3/s (3.20 m^3/s) July 24, gage height, 3.62 ft (1.103 m); minimum daily, 26 ft^3/s (0.74 m^3/s) Aug. 25.

Period of record: Maximum discharge, 7,380 ft^3/s (209 m^3/s) Nov. 6, 1960, gage height, 20.36 ft (6.206 m) from rating curve extended above 460 ft^3/s (13.0 m^3/s) on basis of slope-area measurements at gage heights, 8.42 and 20.36 ft (2.566 and 6.206 m) and logarithmic plotting; minimum, 7.6 ft^3/s (0.22 m^3/s) Sept. 29, 1964, result of temporary storage upstream.

Maximum stage known, 30 ft (9.1 m) Mar. 26, 1906 (datum then in use), discharge not determined.

REMARKS.--Records fair. Diversions for irrigation above station.

REVISIONS(WATER YEARS).--WSP 1243: 1906 (M). WSP 1733: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	38	44	41	41	40	39	41	32	30	33	31
2	40	36	45	41	42	39	40	41	31	30	31	33
3	40	38	47	41	42	40	39	42	32	30	32	31
4	40	37	48	42	42	43	42	41	32	30	32	31
5	38	40	44	42	42	41	40	41	34	31	47	30
6	38	40	43	48	43	39	42	41	33	31	32	30
7	37	39	42	48	47	41	40	40	34	31	31	33
8	37	36	42	51	41	42	36	38	34	31	31	34
9	38	36	41	49	43	44	37	37	33	31	32	31
10	37	36	40	47	45	41	41	36	34	31	31	32
11	37	38	43	47	43	42	43	36	33	32	31	33
12	39	38	46	54	43	44	38	36	31	32	31	32
13	39	41	45	54	41	43	38	36	32	31	32	33
14	41	43	44	54	42	44	39	39	31	32	33	33
15	42	43	45	52	42	40	44	37	31	32	30	33
16	43	43	46	53	40	39	43	37	32	32	31	32
17	42	43	46	54	42	39	41	38	30	33	28	31
18	42	42	48	54	42	40	38	40	30	32	29	33
19	42	43	49	54	47	39	39	41	31	32	28	34
20	42	45	48	50	48	39	41	42	31	33	28	35
21	37	45	45	50	47	39	41	41	31	38	27	34
22	38	46	45	50	46	38	42	37	32	32	29	34
23	38	45	45	51	43	37	40	35	31	35	28	34
24	38	44	44	50	43	39	40	35	31	56	27	33
25	39	48	45	50	43	42	38	35	31	34	26	33
26	40	49	44	48	42	46	39	33	30	34	29	34
27	38	45	44	48	42	41	40	33	30	30	28	34
28	35	46	41	48	41	39	38	34	30	28	29	32
29	36	45	40	49	------	39	41	35	33	29	31	34
30	38	46	40	48	------	40	41	35	32	33	32	36
31	37	------	39	43	------	40	------	32	------	35	31	------
TOTAL	1,210	1,254	1,368	1,511	1,205	1,259	1,200	1,165	952	1,011	950	983
MEAN	39.0	41.8	44.1	48.7	43.0	40.6	40.0	37.6	31.7	32.6	30.6	32.8
MAX	43	49	49	54	48	46	44	42	34	56	47	36
MIN	35	36	39	41	40	37	36	32	30	28	26	30
AC-FT	2,400	2,490	2,710	3,000	2,390	2,500	2,380	2,310	1,890	2,010	1,880	1,950

CAL YR 1973 TOTAL 15,287 MEAN 41.9 MAX 152 MIN 23 AC-FT 30,320
WTR YR 1974 TOTAL 14,068 MEAN 38.5 MAX 56 MIN 26 AC-FT 27,900

Peak discharge (base, 210 cfs).--No peak above base.

09419610 Lee Canyon near Charleston Park, Nev.

LOCATION.--Lat 36°20'25", long 115°39'00", in NE¼ sec.35, T.18 S., R.56 E., Clark County, on right bank 50 ft (15 m) above bridge on Deer Creek Springs road, just south of junction with State Highway 52, and 5.5 mi (8.8 km) north of Charleston Park.

DRAINAGE AREA.--9.20 mi^2 (23.83 km^2)

PERIOD OF RECORD.--Water years 1961-63 (annual maximum), October 1963 to current year.

GAGE.--Water-stage recorder with rain-gage attachment. Altitude of gage is 7,820 ft (2,384 m) from topographic map. Oct. 1 1960, to Sept. 30, 1963, crest-stage gage at same site and datum. Prior to May 16, 1973, on right bank at datum 0.14 ft (0.043 m) higher.

AVERAGE DISCHARGE.--11 years, 0.043 ft^3/s (0.0012 m^3/s), 31 acre-ft/yr (38,200 m^3/yr).

EXTREMES.--Current year: Maximum discharge, 790 ft^3/s (22.4 m^3/s) July 23, gage height, 2.35 ft (0.716 m); no flow most of the year. Period of record: Maximum discharge, 880 ft^3/s (24.9 m^3/s) July 28, 1969, gage height, 3.60 ft, (1.097 m) on basis of slope-area measurement of peak flow; no flow most of the time.

REMARKS.--No flow exists in this channel except at times of heavy rainfall or rapid snowmelt. Discharge measurements or observation of no flow are generally made once a month.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										0		
2										0		
3										0		
4										0		
5										0		
6										0		
7										0		
8										0		
9										0		
10										0		
11										0		
12										0		
13										0		
14										0		
15										0		
16										0		
17										0		
18										0		
19										0		
20										0		
21										0		
22										0		
23										22		
24										0		
25										0		
26										0		
27										0		
28										0		
29					------					0		
30					------					0		
31		------			------		------		------	0		------
TOTAL	0	0	0	0	0	0	0	0	0	22	0	0
MEAN	0	0	0	0	0	0	0	0	0	.71	0	0
MAX	0	0	0	0	0	0	0	0	0	22	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	0	44	0	0

CAL YR 1973 TOTAL 1.20 MEAN .0030 MAX 1.2 MIN 0 AC-FT 2.4
WTR YR 1974 TOTAL 22.00 MEAN .060 MAX 22 MIN 0 AC-FT 44

09419650 Las Vegas Wash at North Las Vegas, Nev.

LOCATION.--Lat 36°12'40", long 115°06'20", in SW$\frac{1}{4}$NE$\frac{1}{4}$ sec.13, T.20 S., R.61 E., Clark County, on right bank 100 ft (30 m) upstream from U.S. Highway 91 and 3.5 mi (5.6 km) northeast of Fremont Street, Las Vegas.

PERIOD OF RECORD.--June 1962 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,850 ft (564 m), from topographic map.

AVERAGE DISCHARGE.--12 years, 0.25 ft^3/s (0.0071 m^3/s), 181 acre-ft/yr (223,000 m^3/yr).

EXTREMES.--Current year: Maximum discharge, 40 ft^3/s (1.13 m^3/s Jan. 6, gage height, 1.18 ft (0.360 m), from recorded range in stage; no flow most of year.

Period of record: Maximum discharge, 1,640 ft^3/s (46.4 m^3/s) May 31, 1973, gage height, 4.05 ft (1.234 m), from slope-area measurement of peak flow; no flow most of the time.

REMARKS.--Records of flow are good. Flow occurs only at times of flash storms. No diversion for irrigation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0		0	0	.11	0	0	0		0	0	0
2	0		0	.81	.37	0	0	0		0	0	0
3	0		.10	.08	.04	0	0	.02		0	0	0
4	0		.05	0	.30	0	0	0		0	0	0
5	0		0	0	.02	0	0	0		0	.75	0
6	.10		0	16	.14	0	0	0		0	0	0
7	.45		.69	6.1	.01	0	.02	0		0	0	0
8	.30		.06	1.4	0	2.2	0	0		0	0	0
9	.57		0	0	0	.46	0	0		0	0	0
10	.54		0	0	0	.29	.44	0		0	0	0
11	0		0	0	0	.28	0	0		0	0	.08
12	0		0	0	0	0	0	0		0	0	0
13	0		0	0	0	0	0	0		0	0	0
14	0		0	0	0	0	0	0		0	0	.34
15	0		0	0	0	0	0	0		0	0	0
16	0		0	0	0	0	0	0		0	0	0
17	0		0	0	0	.16	0	0		0	0	0
18	0		0	0	0	.18	0	0		0	0	0
19	0		.22	0	0	0	.10	0		.01	0	0
20	0		0	0	0	.09	0	.07		.17	0	0
21	0		0	0	0	0	0	0		.08	0	.41
22	0		0	0	0	0	0	0		0	0	.05
23	0		0	0	0	0	0	0		0	0	0
24	0		0	0	0	0	0	0		.21	0	0
25	0		0	0	0	0	.10	0		0	0	0
26	0		0	0	0	0	0	0		0	0	0
27	0		0	0	0	.07	0	0		0	0	0
28	0		0	0	0	0	0	0		0	0	.38
29	0		0	0	------	0	0	0		0	0	1.2
30	0		0	0	------	0	0	0		.04	0	.40
31	0	------	0	0	------	0	------	0	------	.29	0	------
TOTAL	1.96	0	1.12	24.39	.99	3.73	.66	.09	0	.80	.75	2.86
MEAN	.063	0	.036	.79	.035	.12	.022	.003	0	.026	.024	.095
MAX	.57	0	.69	16	.37	2.2	.44	.07	0	.29	.75	1.2
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	3.9	0	2.2	48	2.0	7.4	1.3	.2	0	1.6	1.5	5.7

CAL YR 1973 TOTAL 207.79 MEAN .57 MAX 127 MIN 0 AC-FT 412
WTR YR 1974 TOTAL 37.35 MEAN .10 MAX 16 MIN 0 AC-FT 74

09419677 Flamingo Wash at Maryland Parkway, at Las Vegas, Nev.

LOCATION.--Lat 36°07'05", long 115°08'15", in SE¼SE¼ sec.15, T.21 S., R.61 E., Clark County, on right bank 90 ft (27.4 m) upstream from two 10 x 12 ft box culverts under Maryland Parkway between Flamingo Road and Twain Avenue in Las Vegas.

DRAINAGE AREA.--106 mi^2 (275 km^2), approximately.

PERIOD OF RECORD.--Oct. 1, 1969, to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,976.6 ft (602.47 m), from Clark County Engineering bench mark.

AVERAGE DISCHARGE.--5 years, 0.112 ft^3/s (0.0032 m^3/s), 81 acre-ft/yr (99,900 m^3/yr).

EXTREMES.--Current year: Maximum discharge, 180 ft^3/s (5.10 m^3/s) July 24, gage height, 2.45 ft (0.747 m); no flow most of the year.

Period of record: Maximum discharge, 218 ft^3/s (6.17 m^3/s) Aug. 14, 1971, gage height, 3.12 ft (0.951 m); no flow most of the time.

Flood of Sept. 12, 1969, reached a stage of 7.55 ft (2.301 m), from floodmarks, discharge, 1,500 ft^3/s (42.5 m^3/s) from computation of peak flow through culverts.

REMARKS.--Records poor. There is no flow at this station except following heavy rainstorms.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				.07						0		0
2				0						0		0
3				0						0		0
4				0						0		0
5				1.1						0		.58
6				0						0		0
7				3.7						0		0
8				4.9						0		0
9				0						0		0
10				0						0		0
11				0						0		0
12				0						0		0
13				0						0		0
14				0						0		0
15				0						0		0
16				0						0		0
17				0						0		0
18				0						0		0
19				0						0		0
20				0						0		0
21				0						0		0
22				0						0		0
23				0						11		0
24				0						0		0
25				0						0		0
26				0						0		0
27				0						0		0
28				0						0		0
29				0	------					0		0
30				0	------					0		0
31		------		0	------		------		------	0		------
TOTAL	0	0	0	9.77	0	0	0	0	0	11	0	.58
MEAN	0	0	0	.32	0	0	0	0	0	.35	0	.019
MAX	0	0	0	4.9	0	0	0	0	0	11	0	.58
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	19	0	0	0	0	0	22	0	1.2

CAL YR 1973 TOTAL 15.15 MEAN .042 MAX 8.0 MIN 0 AC-FT 30
WTR YR 1974 TOTAL 21.35 MEAN .059 MAX 11 MIN 0 AC-FT 42

09419700 Las Vegas Wash near Henderson, Nev.

LOCATION.--Lat 36°05'20", long 114°59'05", in SE¼SW¼ sec.30, T.21 S., R.63 E., Clark County, on right bank at upstream end of 4.5 ft (1.37 m) pipe culvert on private road, 3.5 mi (5.6 km) north of Henderson, and 6.0 mi (9.7 km) upstream from high-water line of Lake Mead at elevation 1,221.4 ft (372.28 m) above mean sea level.

DRAINAGE AREA.--2,125 mi^2 (5,504 km^2), of which 1,518 mi^2 (3,932 km^2) contribute directly to surface runoff. Prior to Apr. 4, 1961, 2,179 mi^2 (5,644 km^2), of which 1,571 mi^2 (4,069 km^2) contributed directly to surface runoff.

PERIOD OF RECORD.--February 1957 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,540 ft (469 m), from topographic map. Prior to Apr. 4, 1961, at site 2.5 mi (4.0 km) downstream at various datums.

AVERAGE DISCHARGE.--17 years, 30.3 ft^3/s (0.858 m^3/s), 21,950 acre-ft/yr (27.1 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 281 ft^3/s (7.96 m^3/s) July 31, gage height, 7.73 ft (2.356 m); minimum, 25 ft^3/s (0.71 m^3/s) June 27, but may have been less during period of no gage-height record.

Period of record: Maximum discharge, 1,400 ft^3/s (39.6 m^3/s) Aug. 21, 1957, gage height, 4.70 ft (1.433 m), site and datum then in use, from rating curve extended above 95 ft^3/s (2.69 m^3/s) on basis of slope-area measurement of peak flow; minimum daily, 4.8 ft^3/s (0.14 m^3/s) Aug. 17, 1960.

REMARKS.--Records fair except for periods of no gage-height record, which are poor. In closed basin above station, 2,150 acres (8.70 km^2) are irrigated, mostly by pumping from ground water. Discharge includes waste water from industrial plants and sewage effluent. Water-quality records for the current year are published in Part 2 of this report.

REVISIONS.--WSP 1926: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	56	49	68	55	57	53	52	36	36	59	40
2	40	53	54	66	59	55	54	47	38	36	54	42
3	45	54	51	65	63	59	54	48	33	40	55	43
4	49	52	53	66	65	59	56	54	35	40	53	45
5	51	52	59	71	60	60	60	58	38	39	51	49
6	50	53	60	75	54	61	62	57	38	41	50	52
7	47	52	60	75	52	62	63	49	34	41	46	48
8	56	50	60	75	54	61	62	42	32	39	47	48
9	58	51	60	75	53	66	63	43	32	42	46	48
10	55	50	60	75	57	61	63	47	31	42	44	46
11	55	50	62	74	60	65	60	52	33	43	37	41
12	56	48	60	74	62	68	61	52	31	45	35	47
13	58	47	60	74	63	68	59	52	30	45	36	48
14	60	49	59	71	62	65	66	55	33	46	39	45
15	60	50	59	70	64	63	64	52	35	52	39	42
16	54	51	59	66	63	57	64	56	36	54	40	40
17	53	52	58	64	71	60	58	64	34	54	41	43
18	53	54	61	65	61	62	51	62	30	52	43	49
19	50	56	59	65	66	54	50	67	28	49	42	52
20	50	56	60	66	60	55	52	62	37	55	43	51
21	49	57	62	62	57	56	54	60	32	55	45	52
22	54	55	62	64	56	58	52	54	35	53	42	55
23	56	58	62	63	56	59	49	50	31	59	40	53
24	54	62	61	64	58	57	46	47	39	133	45	56
25	58	63	64	62	60	56	49	47	42	62	44	55
26	58	60	56	62	61	56	46	49	36	56	41	55
27	59	52	63	64	56	54	48	45	32	53	42	54
28	57	51	60	64	54	53	54	44	36	52	39	53
29	56	51	59	66	------	51	55	42	39	44	37	44
30	55	54	61	65	------	51	61	40	38	46	38	50
31	53	------	63	58	------	51	------	37	------	127	40	------
TOTAL	1,655	1,599	1,836	2,094	1,662	1,820	1,689	1,586	1,034	1,631	1,353	1,446
MEAN	53.4	53.3	59.2	67.5	59.4	58.7	56.3	51.2	34.5	52.6	43.6	48.2
MAX	60	63	64	75	71	68	66	67	42	133	59	56
MIN	40	47	49	58	52	51	46	37	28	36	35	40
AC-FT	3,280	3,170	3,640	4,150	3,300	3,610	3,350	3,150	2,050	3,240	2,680	2,870

CAL YR 1973 TOTAL 18,354 MEAN 50.3 MAX 99 MIN 19 AC-FT 36,410
WTR YR 1974 TOTAL 19,405 MEAN 53.2 MAX 133 MIN 28 AC-FT 38,490

NOTE.--No gage-height record Mar. 20 to Apr. 10, May 22 to June 26.

09419800 Las Vegas Wash near Boulder City, Nev.

LOCATION.--Lat 36°07'20", long 114°54'15", in NE¼SE¼ sec.14, T.21 S., R.63 E., Clark County, on left bank near mouth, on upstream side of lake shore highway, and 11 mi (18 km) north-northwest of Boulder City.

DRAINAGE AREA.--2,193 mi^2 (5,680 km^2), of which 1,586 mi^2 (4,108 km^2) contribute directly to surface runoff.

PERIOD OF RECORD.--August 1969 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,280 ft (390 m), from topographic map.

EXTREMES.--Current year: Maximum discharge, 190 ft^3/s (5.38 m^3/s) July 31, gage height, 4.85 ft (1.478 m); minimum daily, 26 ft^3/s (0.74 m^3/s) June 14, 20, but may have been much less in July, during period of uncertain gage-height record and (or) stage-discharge relation, July 5-20.

Period of record: Maximum discharge, 485 ft^3/s (13.7 m^3/s) Aug. 14, 1972, gage height, 5.65 ft (1.722 m); minimum, 14 ft^3/s (0.40 m^3/s) July 7, 8, 1971.

Flood of June 26, 1964, reached a stage of 7.5 ft (2.29 m) from floodmarks, discharge, 1,050 ft^3/s (29.7 m^3/s) from indirect measurement of peak flow, and another flood between 1964 and 1969 reached a stage of about 10 ft (3.05 m), from floodmarks, discharge, about 1,700 ft^3/s (48.1 m^3/s) from rating curve extended above 300 ft^3/s (8.50 m^3/s) on basis of theoretical weir and culvert formulas.

REMARKS.--Records poor. In closed basin above station, 2,150 acres (8.70 km^2) are irrigated, mostly by pumping from ground water. Discharge includes sewage effluent. Water-quality records for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	67	69	90	73	47	57	78	40	34	90	50
2	64	64	69	94	71	62	60	67	37	30	74	54
3	55	62	69	86	78	54	60	62	41	37	84	55
4	55	62	71	84	82	67	67	67	33	28	80	57
5	64	62	71	94	82	65	69	71	37	34	78	64
6	67	62	76	98	73	65	69	71	41	35	71	65
7	65	62	76	98	71	67	65	64	41	35	69	64
8	65	58	76	105	69	71	71	54	33	33	62	58
9	65	58	76	113	71	74	71	47	30	33	62	57
10	71	58	73	96	74	65	69	47	30	34	57	57
11	71	58	76	76	74	65	69	47	30	35	50	47
12	69	58	76	73	74	69	71	50	34	36	43	47
13	69	58	74	71	78	65	65	47	30	37	44	52
14	69	60	74	78	78	63	73	54	26	38	55	54
15	73	64	69	82	78	62	74	52	34	38	57	46
16	74	64	69	80	78	62	73	50	37	40	58	41
17	73	74	73	80	74	64	69	50	38	43	60	40
18	65	76	78	76	76	69	64	47	36	45	64	47
19	65	80	78	76	78	65	57	50	27	50	64	55
20	64	78	78	82	74	58	62	58	26	55	62	55
21	60	80	80	78	67	60	65	62	46	82	65	57
22	60	78	82	78	54	62	65	57	30	67	65	55
23	64	80	82	78	67	62	64	54	41	71	55	57
24	69	84	80	78	50	60	57	52	31	116	62	54
25	71	88	82	78	69	60	60	52	42	100	65	58
26	71	86	78	78	69	60	62	54	46	74	58	55
27	76	78	78	78	65	58	62	55	38	74	57	54
28	69	73	84	80	54	54	69	50	38	65	57	54
29	67	73	78	82	------	50	73	49	41	55	50	60
30	65	73	78	82	------	50	76	47	38	47	47	80
31	65	------	82	78	------	50	------	46	------	94	50	------
TOTAL	2,055	2,078	2,355	2,600	2,001	1,905	1,988	1,711	1,072	1,595	1,915	1,649
MEAN	66.3	69.3	76.0	83.9	71.5	61.5	66.3	55.2	35.7	51.5	61.8	55.0
MAX	76	88	84	113	82	74	76	78	46	116	90	80
MIN	55	58	69	71	50	47	57	46	26	28	43	40
AC-FT	4,080	4,120	4,670	5,160	3,970	3,780	3,940	3,390	2,130	3,160	3,800	3,270

CAL YR 1973 TOTAL 22,650 MEAN 62.1 MAX 113 MIN 30 AC-FT 44,930
WTR YR 1974 TOTAL 22,924 MEAN 62.8 MAX 116 MIN 26 AC-FT 45,470

09421000. Lake Mead at Hoover Dam, Ariz.-Nev.

LOCATION.--Lat 36°00'58", long 114°44'13", in NE¼SW¼ sec.3, T.30 N., R.23 W., Gila and Salt River meridian, Mohave-Clark Counties, in center of Hoover Dam on Colorado River.

DRAINAGE AREA.--167,800 mi^2 (434,600 km^2), approximately.

PERIOD OF RECORD.--Contents: February 1935 to current year. Evaporation: March 1952 to current year. Diversions (monthly totals only): to Boulder City area, since October 1935; to Henderson and Las Vegas areas, since April 1942; combined diversions since October 1968. Prior to 1946 published as "at Boulder Dam".

GAGE.--Water-stage indicator read once daily at midnight, with supplementary water-stage recorder. Datum of gage is 0.40 ft (0.122 m) above mean sea level, used locally as at mean sea level, powerhouse datum.

EXTREMES.--Current year: Maximum contents, 20,180,000 acre-ft (24,900 hm^3) Oct. 1 (gage height, 1,180.29 ft or 359.752 m); minimum, 18,704,000 acre-ft (23,100 hm^3) June 14 (gage height, 1,168.82 ft or 356.256 m).

Period of record: Maximum contents, 27,790,000 acre-ft (34,300 hm^3) July 29, 30, 1941 (gage height, 1,220.45 ft or 371.993 m); minimum (since 1940), 10,695,000 acre-ft (13,200 hm^3) Apr. 26, 1956 (gage height, 1,083.21 ft or 330.162 m).

REMARKS.--Reservoir is formed by concrete arch-gravity dam; storage began Feb. 1, 1935; dam completed Mar. 1, 1936. Total capacity (based on 1963-64 resurvey by Coast and Geodetic Survey; capacity table put into use Apr. 1, 1967), 29,755,000 acre-ft (36,700 hm^3), consisting of the following: dead storage, 2,378,000 acre-ft (2,930 hm^3) below gage height 895.0 ft (272.80 m)—gate sills in outlet towers; usable contents, 26,159,000 acre-ft (32,300 hm^3) between gage heights 895.0 ft (272.80 m) and 1,221.4 ft (372.28 m)—top of automatic spillway gates in raised position; and uncontrolled storage, 1,218,000 acre-ft (1,500 hm^3) between gage heights 1,221.4 ft (372.28 m) and 1,229.0 ft (374.60 m)—maximum water surface. Reservoir is used to store water for flood control, irrigation, municipal water supply, and power development. Figures given herein represent usable contents. Records of chemical analyses for the current year are published in Part 2 of this report.

DIVERSIONS FROM LAKE MEAD.--Diversions to Boulder City area at dam; diversions to Henderson and Las Vegas areas from intakes 6 miles upstream. Diversions measured by Venturi meters. Water used for municipal and industrial purposes.

COOPERATION.--Records of elevations and contents furnished by Bureau of Reclamation. Records of diversions from Lake Mead furnished by Bureau of Reclamation and Colorado River Commission of Nevada.

REVISIONS (WATER YEARS).--WSP 899: 1935-39.

CONTENTS, IN THOUSANDS OF ACRE-FEET, AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20,180	20,065	19,957	19,736	20,161	19,875	19,456	18,994	18,821	18,793	19,095	19,294
2	20,166	20,058	19,954	19,702	20,166	19,877	19,431	18,970	18,835	18,786	19,104	19,316
3	20,153	20,059	19,942	19,669	20,170	19,896	19,394	18,946	18,819	18,793	19,121	19,325
4	20,139	20,071	19,924	19,665	20,164	19,869	19,375	18,950	18,805	18,811	19,140	19,325
5	20,129	20,067	19,908	19,695	20,153	19,853	19,352	18,955	18,785	18,820	19,140	19,326
6	20,133	20,069	19,902	19,723	20,140	19,831	19,350	18,948	18,771	18,838	19,136	19,329
7	20,140	20,071	19,900	19,730	20,129	19,819	19,353	18,922	18,763	18,857	19,142	19,335
8	20,141	20,075	19,912	19,740	20,106	19,804	19,329	18,897	18,754	18,865	19,135	19,336
9	20,128	20,079	19,923	19,764	20,098	19,801	19,295	18,877	18,759	18,862	19,136	19,324
10	20,112	20,084	19,915	19,797	20,095	19,806	19,276	18,859	18,747	18,867	19,154	19,303
11	20,103	20,087	19,904	19,828	20,087	19,792	19,260	18,867	18,735	18,878	19,173	19,297
12	20,102	20,075	19,895	19,866	20,069	19,772	19,247	18,878	18,721	18,892	19,168	19,294
13	20,100	20,066	19,883	19,903	20,048	19,759	19,238	18,879	18,710	18,912	19,153	19,290
14	20,099	20,053	19,874	19,934	20,032	19,746	19,246	18,864	18,704	18,936	19,141	19,295
15	20,086	20,048	19,870	19,952	20,020	19,723	19,226	18,860	18,712	18,941	19,133	19,298
16	20,071	20,038	19,874	19,976	20,015	19,719	19,205	18,862	18,729	18,946	19,130	19,304
17	20,053	20,044	19,862	19,996	20,015	19,714	19,179	18,862	18,740	18,946	19,145	19,318
18	20,051	20,045	19,857	20,013	20,012	19,690	19,146	18,869	18,735	18,950	19,164	19,310
19	20,058	20,040	19,847	20,030	20,000	19,673	19,126	18,883	18,736	18,960	19,165	19,302
20	20,069	20,026	19,836	20,050	19,975	19,643	19,132	18,880	18,735	18,967	19,170	19,302
21	20,084	20,015	19,826	20,059	19,957	19,616	19,145	18,862	18,736	19,000	19,182	19,303
22	20,087	20,017	19,818	20,062	19,946	19,588	19,125	18,851	18,755	19,000	19,191	19,318
23	20,082	20,009	19,818	20,081	19,946	19,582	19,102	18,843	18,770	18,989	19,184	19,324
24	20,075	20,013	19,807	20,099	19,953	19,576	19,081	18,836	18,773	18,994	19,198	19,318
25	20,073	20,007	19,804	20,116	19,941	19,554	19,067	18,840	18,770	18,995	19,221	19,317
26	20,075	19,992	19,785	20,140	19,927	19,528	19,057	18,848	18,769	19,009	19,226	19,321
27	20,087	19,978	19,767	20,160	19,906	19,501	19,059	18,846	18,766	19,032	19,233	19,326
28	20,100	19,967	19,753	20,165	19,888	19,483	19,064	18,830	18,766	19,062	19,238	19,342
29	20,095	19,971	19,741	20,162	------	19,462	19,047	18,811	18,784	19,067	19,247	19,352
30	20,087	19,970	19,747	20,157	------	19,464	19,022	18,811	18,801	19,081	19,252	19,358
31	20,071	------	19,737	20,160	------	19,482	------	18,811	------	19,088	19,270	------
(*)	1,179.47	1,178.70	1,176.92	1,180.14	1,178.08	1,174.95	1,171.35	1,169.68	1,169.60	1,171.87	1,173.30	1,173.99
(†)	-105,000	-101,000	-233,000	+423,000	-272,000	-406,000	-460,000	-211,000	-10,000	+287,000	+182,000	+88,000
(‡)	7,290	5,770	4,890	4,730	5,170	6,040	6,680	8,360	9,970	9,830	4,690	7,780
(**)	8.6	7.5	5.2	3.6	4.3	4.3	5.6	7.4	7.1	9.4	7.4	8.6
(††)	94,700	82,300	56,700	39,400	47,200	46,600	59,500	77,600	74,100	101,600	78,300	91,700

CAL YR 1973.............	† +1,092,000	‡ 80,370	** 81.0	†† 902,500
WTR YR 1974.............	† - 818,000	‡ 86,400	** 79.0	†† 849,900

* Gage height, in feet, at end of month.

† Change, in contents, in acre-feet.

‡ Diversions, in acre-feet.

** Gross evaporation, in inches, from Lake Mead.

†† Gross evaporation, in acre-feet, from Lake Mead.

NOTE.--Figures of gross evaporation are based on data obtained on Lake Mead by the Bureau of Reclamation and at Las Vegas by National Weather Service, and are computed by the Geological Survey using methods described in Geological Survey Professional Paper 298. "Gross" denotes the total evaporation from the lake without deductions for precipitation on the lake surface or for natural losses that would have occurred in the area now occupied by the lake.

09421500. Colorado River below Hoover Dam, Ariz.-Nev.

LOCATION.--Lat 36°00'55", long 114°44'16", in NE¼SW¼ sec.3, T.30 N., R.23 W., Gila and Salt River meridian, or SW¼NE¼ sec.29, T.22 S., R.65 E., Mount Diablo meridian, Mohave-Clark Counties, in powerhouse at downstream side of Hoover Dam.

DRAINAGE AREA.--167,800 mi^2 (434,600 km^2), approximately.

PERIOD OF RECORD.--October 1933 to current year. Published as "near Willow Beach" 1933-39 and as "below Boulder Dam" 1939-45.

GAGE.--Totalizing flowmeters on each turbine in Hoover Dam powerhouse. Prior to Nov. 1, 1939, water-stage recorder at site 9 mi (14 km) downstream at datum 594.8 ft (181.30 m) above mean sea level. Nov. 1, 1939, to June 30, 1958, water-stage recorder at site 0.8 mi (1.3 km) downstream at datum 600.35 ft (182.987 m) above mean sea level.

AVERAGE DISCHARGE.-- 40 years (1934-74), 13,430 ft^3/s (380.3 m^3/s), 9,730,000 acre-ft/yr (12,000 hm^3/yr) unadjusted for storage in Lake Mead.

EXTREMES.-- Current year: Maximum daily discharge, 23,300 ft^3/s (660 m^3/s) Jan. 3; minimum daily, 2,030 ft^3/s (57.5 m^3/s) Jan. 12. Period of record: Maximum daily discharge, 36,000 ft^3/s (1,020 m^3/s) Jan. 28, 1942; no flow at Hoover Dam part of Feb. 10, 1935; minimum daily discharge, 152 ft^3/s (4.30 m^3/s) Feb. 10, 1935.

REMARKS.--Flow regulated by Lake Mead since Feb. 1, 1935. Many diversions above station for irrigation, industrial, and municipal use. Records of chemical analyses for the current year are published in Part 2 of this report.

COOPERATION.--Records furnished by Bureau of Reclamation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,970	10,500	6,580	8,420	8,170	15,400	17,900	20,200	9,180	14,600	15,500	7,280
2	9,170	10,600	7,910	20,800	3,200	5,730	21,600	21,200	7,910	15,200	15,600	9,470
3	11,300	5,670	10,600	23,300	4,260	5,720	21,000	20,100	16,000	15,500	8,540	14,500
4	12,000	5,140	13,600	21,100	9,450	16,900	18,400	7,690	16,800	8,740	7,980	15,400
5	14,000	10,200	11,500	9,830	7,360	16,100	20,300	7,670	18,800	16,100	14,800	15,400
6	5,460	9,080	9,800	10,600	8,820	15,000	9,590	17,800	21,100	7,080	14,700	14,800
7	2,930	9,180	8,800	14,100	11,100	16,500	8,350	17,200	18,100	7,160	15,900	12,200
8	8,700	10,500	4,700	11,000	13,300	18,500	21,100	19,400	9,370	15,000	19,100	10,300
9	10,900	8,740	3,760	6,220	8,720	7,820	18,800	20,700	9,270	14,800	16,900	16,600
10	10,400	5,350	10,500	2,780	4,770	7,360	17,000	19,000	17,400	15,000	6,200	18,900
11	10,000	4,440	10,400	2,040	12,200	15,600	19,100	8,770	17,300	15,000	6,750	15,000
12	10,500	9,650	11,500	2,030	11,200	17,600	16,400	8,160	20,100	12,400	17,100	14,600
13	10,800	10,600	13,400	2,340	13,800	16,200	9,080	16,200	20,200	8,040	20,400	15,900
14	9,950	11,400	10,700	2,990	12,600	17,100	5,400	18,300	20,300	6,280	20,700	8,670
15	13,700	9,430	7,000	4,090	12,000	18,500	18,400	17,300	12,300	14,700	18,500	7,430
16	12,700	9,210	8,600	3,290	7,030	7,920	20,500	15,200	8,540	16,800	19,700	6,000
17	13,400	5,720	12,700	3,840	4,910	7,680	18,100	16,400	12,500	18,000	13,100	3,440
18	11,600	3,630	10,000	4,160	6,930	18,600	18,900	9,340	17,200	18,500	11,500	10,700
19	8,490	10,700	10,600	3,240	13,900	17,200	19,900	8,620	16,800	17,000	18,100	13,700
20	3,890	11,300	13,000	2,820	16,600	19,400	7,750	16,000	17,900	11,800	17,300	14,100
21	3,060	9,190	10,400	5,220	16,100	18,200	6,860	19,400	16,700	11,600	17,300	9,280
22	7,980	6,020	8,390	4,630	13,500	18,000	20,600	15,900	8,230	18,900	18,500	7,660
23	8,060	8,880	6,760	4,820	6,640	7,250	20,100	17,600	8,940	18,300	20,000	13,500
24	7,640	5,620	9,620	4,530	6,750	8,640	18,400	18,000	16,300	17,000	12,800	12,700
25	9,030	5,780	7,600	4,530	14,800	16,800	17,700	13,700	16,800	17,900	9,490	14,500
26	9,010	11,900	11,500	2,780	16,300	17,700	16,200	10,800	17,100	16,600	19,600	14,700
27	3,460	11,700	11,400	2,700	14,900	16,400	7,690	12,200	19,200	7,160	17,900	14,300
28	4,210	12,000	10,800	6,580	17,400	18,100	5,760	19,200	17,000	6,500	18,600	7,240
29	9,710	11,800	6,600	7,860	------	19,700	17,400	18,700	8,620	15,200	18,100	9,950
30	9,810	11,500	3,730	8,580	------	7,020	21,300	17,000	7,830	14,000	19,100	11,400
31	11,600	------	7,550	8,810	------	7,050	------	16,200	------	16,400	7,950	------
TOTAL	282,230	265,430	288,000	220,030	296,710	435,690	479,580	483,950	443,790	427,260	477,710	359,720
MEAN	9,104	8,848	9,290	7,098	10,600	14,050	15,990	15,610	14,790	13,780	15,410	11,990
MAX	14,000	12,000	13,600	23,300	17,400	19,700	21,600	21,200	21,100	18,900	20,700	18,900
MIN	2,930	3,630	3,730	2,030	3,200	5,720	5,400	7,670	7,830	6,280	6,200	3,440
AC-FT	559,800	526,500	571,200	436,400	588,500	864,200	951,200	959,900	880,300	847,500	947,500	713,500

CAL YR 1973 TOTAL 4,185,090 MEAN 11,470 MAX 22,000 MIN 2,930 AC-FT 8,301,000
WTR YR 1974 TOTAL 4,460,100 MEAN 12,220 MAX 23,300 MIN 2,030 AC-FT 8,847,000

09422500. Lake Mohave at Davis Dam, Ariz.-Nev.

LOCATION.--Lat 35°11'50", long 114°34'07", in SW¼SW¼ sec.18, T.21 N., R.21 W., Gila and Salt River meridian, Mohave County, on forebay structure on Arizona side of Davis Dam on Colorado River, 29 mi (47 km) west of Kingman, Ariz., and 67 mi (108 km) downstream from Hoover Dam.

DRAINAGE AREA.--169,300 mi² (438,500 km²), approximately.

PERIOD OF RECORD.--January 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum contents, 1,711,000 acre-ft (2,110 hm³) Jan. 18 (elevation, 643.45 ft or 196.124 m); minimum, 1,354,000 acre-ft (1,670 hm³) Sept. 18 (elevation, 629.80 ft or 191.963 m).

Period of record: Maximum contents, 1,811,000 acre-ft (2,230 hm³) May 24, 1958, May 29, 1963; maximum elevation, 647.04 ft (197.218 m) May 29, 1963; minimum contents (since 1952), 1,168,000 acre-ft (1,440 hm³) Sept. 8, 1953 (elevation, 622.15 ft or 189.631 m).

REMARKS.--Reservoir is formed by earthfill and rockfill dam; dam completed in April 1949 and storage began Jan. 17, 1950. Usable capacity, 1,810,000 acre-ft (2,230 hm³) between elevations 533.39 ft (162.577 m)—lowest point of penstock outlet—and 647.0 ft (197.21 m)—top of spillway gates. A small amount of additional storage is available through use of splashboards on the spillway gates. Dead storage, 8,530 acre-ft (10.5 hm³) below elevation 533.39 ft (162.577 m). Lake is used for power development, re-regulation for irrigation demand, and to satisfy requirements of the Treaty of 1944 with Mexico. Figures given herein represent usable contents.

Capacity table (elevation, in feet, and usable contents, in acre-feet)

630	1,359,000	640	1,618,000
635	1,486,000	645	1,754,000

CONTENTS, IN THOUSANDS OF ACRE-FEET, AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,406	1,380	1,466	1,575	1,618	1,635	1,637	1,571	1,626	1,573	1,445	1,413
2	1,403	1,389	1,472	1,596	1,602	1,623	1,649	1,584	1,617	1,565	1,444	1,403
3	1,404	1,390	1,475	1,626	1,591	1,615	1,658	1,595	1,618	1,563	1,424	1,405
4	1,402	1,388	1,483	1,650	1,586	1,618	1,662	1,579	1,622	1,549	1,414	1,409
5	1,407	1,393	1,489	1,655	1,583	1,618	1,665	1,570	1,630	1,542	1,405	1,413
6	1,399	1,392	1,497	1,668	1,578	1,617	1,651	1,571	1,643	1,523	1,402	1,415
7	1,386	1,391	1,499	1,689	1,580	1,627	1,638	1,570	1,654	1,502	1,400	1,414
8	1,384	1,392	1,495	1,704	1,585	1,641	1,642	1,581	1,640	1,500	1,404	1,409
9	1,385	1,392	1,491	1,709	1,587	1,636	1,643	1,598	1,633	1,497	1,404	1,412
10	1,386	1,388	1,492	1,707	1,586	1,636	1,642	1,606	1,637	1,494	1,388	1,422
11	1,387	1,385	1,494	1,707	1,591	1,641	1,643	1,594	1,642	1,492	1,376	1,426
12	1,386	1,385	1,495	1,706	1,594	1,651	1,642	1,585	1,654	1,485	1,373	1,423
13	1,389	1,388	1,504	1,702	1,602	1,660	1,622	1,587	1,661	1,465	1,377	1,422
14	1,394	1,396	1,508	1,701	1,604	1,670	1,608	1,592	1,670	1,450	1,383	1,412
15	1,399	1,397	1,503	1,704	1,608	1,683	1,609	1,594	1,662	1,443	1,384	1,402
16	1,399	1,398	1,504	1,706	1,603	1,671	1,612	1,599	1,652	1,440	1,390	1,385
17	1,398	1,396	1,509	1,710	1,599	1,663	1,613	1,605	1,642	1,444	1,391	1,362
18	1,395	1,394	1,513	1,711	1,588	1,668	1,614	1,597	1,644	1,452	1,388	1,358
19	1,391	1,398	1,514	1,709	1,598	1,667	1,616	1,588	1,647	1,460	1,392	1,358
20	1,382	1,403	1,523	1,706	1,609	1,670	1,597	1,593	1,648	1,460	1,392	1,358
21	1,376	1,407	1,528	1,708	1,620	1,671	1,584	1,605	1,645	1,472	1,391	1,359
22	1,374	1,404	1,532	1,703	1,626	1,672	1,586	1,610	1,628	1,484	1,396	1,358
23	1,377	1,408	1,535	1,700	1,614	1,654	1,589	1,621	1,618	1,492	1,406	1,359
24	1,377	1,403	1,536	1,694	1,604	1,645	1,588	1,627	1,614	1,496	1,405	1,361
25	1,378	1,404	1,541	1,684	1,606	1,647	1,589	1,627	1,610	1,502	1,408	1,363
26	1,381	1,417	1,547	1,673	1,614	1,647	1,589	1,624	1,609	1,499	1,406	1,371
27	1,370	1,432	1,557	1,658	1,620	1,649	1,572	1,620	1,613	1,481	1,414	1,384
28	1,365	1,446	1,565	1,640	1,629	1,655	1,557	1,629	1,613	1,465	1,420	1,378
29	1,371	1,455	1,570	1,637	------	1,662	1,555	1,635	1,596	1,458	1,427	1,379
30	1,368	1,464	1,569	1,630	------	1,648	1,564	1,638	1,582	1,450	1,434	1,380
31	1,376	------	1,570	1,624	------	1,638	------	1,637	------	1,445	1,423	------
MAX	1,407	1,464	1,570	1,711	1,629	1,683	1,665	1,638	1,670	1,573	1,445	1,426
MIN	1,365	1,380	1,466	1,575	1,578	1,615	1,555	1,570	1,582	1,440	1,373	1,358
(†)	630.70	634.17	638.20	640.26	640.44	640.75	637.99	640.71	638.69	633.43	632.55	630.86
(‡)	-36,000	+88,000	+106,000	+54,000	+5,000	+9,000	-74,000	+73,000	-55,000	-137,000	-22,000	-43,000

CAL YR 1973	MAX 1,798	MIN 1,365	‡ +50,000
WTR YR 1974	MAX 1,711	MIN 1,358	‡ -32,000

† Elevation, in feet, at end of month.
‡ Change in contents, in acre-feet.
NOTE.--All figures of contents expressed in thousands.

09423000. Colorado River below Davis Dam, Ariz.-Nev.

LOCATION.--Lat 35°11'30", long 114°34'17", in SE¼NE¼ sec.1, T.32 S., R.66 E., Mount Diablo meridian, in Nevada, Clark County, on right bank 0.5 mi (0.8 km) downstream from Davis Dam, 29 mi (47 km) west of Kingman, Ariz., and 68 mi (109 km) downstream from Hoover Dam.

DRAINAGE AREA.--169,300 mi^2 (438,500 km^2), approximately.

PERIOD OF RECORD.--June 1905 to September 1907 (published as "at Hardyville"), March 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 500.00 ft (152.40 m) above mean sea level; gage readings have been reduced to elevations above mean sea level. 1905-7, nonrecording gage at site 4.8 mi (7.7 km) downstream at datum about 13.4 ft (4.1 m) lower. Mar. 16 to May 3, 1949, water-stage recorder at site 0.5 mi (0.8 km) downstream at present datum. May 4, 1949, to Feb. 24, 1956, water-stage recorder at site 400 ft (120 m) upstream at present datum.

AVERAGE DISCHARGE.--25 years (1949-74), 12,670 ft^3/s (358.8 m^3/s), 9,179,000 acre-ft/yr (11,300 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 27,500 ft^3/s (779 m^3/s) Sept. 16 (elevation, 506.32 ft or 154.326 m); minimum daily, 1,930 ft^3/s (54.7 m^3/s) Jan. 17.

1905-7: Maximum daily discharge, 116,000 ft^3/s (3,290 m^3/s) June 20, 1906; minimum daily, 2,850 ft^3/s (80.7 m^3/s) Jan. 5, 1906.

1949-74: Maximum discharge, 31,200 ft^3/s (884 m^3/s) Apr. 22, 1952 (elevation, 513.91 ft or 156.640 m); no flow at Davis Dam parts of several days July to September 1950 and Dec. 27, 1950, when gates in dam were closed; minimum daily discharge, 285 ft^3/s (8.07 m^3/s) Aug. 3, 1950.

REMARKS.--Records excellent. Flow regulated by Lake Mead since Feb. 1, 1935, and by Lake Mohave since Jan. 17, 1950. Many diversions upstream for irrigation, industrial, and municipal uses. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12,300	6,030	6,040	6,360	12,500	11,600	16,600	15,800	15,000	18,700	15,600	12,500
2	11,200	5,740	5,000	8,450	12,500	12,700	16,600	14,500	12,600	18,700	17,100	14,900
3	11,500	6,120	7,770	7,320	10,000	9,800	15,700	14,300	15,300	16,000	18,100	14,100
4	11,900	6,110	8,680	7,880	12,000	15,300	16,400	15,700	14,800	16,200	14,200	14,000
5	11,200	6,100	8,510	7,510	9,990	14,900	17,900	12,200	13,900	18,600	17,700	13,500
6	10,100	10,400	6,070	2,920	10,700	15,600	18,700	17,400	14,200	17,900	17,600	13,900
7	9,330	9,620	7,010	3,900	10,900	10,900	14,400	17,300	14,500	14,400	16,100	13,600
8	10,500	9,240	7,100	2,940	10,400	12,100	18,700	12,900	14,600	18,100	16,100	12,800
9	10,600	8,910	4,920	2,920	7,660	10,600	18,800	12,500	12,600	16,200	16,500	14,700
10	9,110	7,890	8,720	3,410	4,820	6,760	18,700	14,200	15,000	16,300	15,100	13,700
11	9,610	6,040	10,100	2,460	9,370	13,500	18,600	15,300	14,800	16,100	12,100	14,200
12	11,000	8,660	10,700	3,910	9,590	11,600	18,600	12,800	13,700	16,100	17,600	14,900
13	9,080	7,790	8,280	2,980	10,200	11,400	18,600	15,000	16,000	18,500	17,800	16,300
14	7,030	8,370	9,030	3,920	11,500	11,000	13,300	15,200	15,100	14,300	17,800	15,300
15	11,000	8,170	9,480	2,150	10,000	11,100	17,300	15,300	17,100	19,100	17,500	13,700
16	13,200	8,030	5,580	2,120	9,730	14,700	18,700	13,200	13,600	18,700	17,400	14,800
17	13,500	8,010	8,960	1,930	7,630	12,200	18,500	13,000	17,400	16,600	13,600	15,800
18	14,200	5,280	8,340	3,900	11,700	15,800	18,700	13,800	15,700	14,300	12,600	12,500
19	10,600	7,790	8,330	3,900	9,870	17,000	18,500	12,900	15,700	13,200	15,600	14,100
20	8,620	7,720	8,380	3,910	10,000	17,700	18,600	13,700	17,000	12,700	18,300	14,600
21	6,690	7,840	7,310	5,920	9,370	17,600	13,200	13,000	18,100	4,780	17,800	8,850
22	8,020	7,770	7,100	6,810	11,600	17,600	18,400	13,600	18,000	12,600	16,800	8,710
23	7,940	6,620	5,080	6,350	13,700	17,500	18,600	12,400	13,700	14,300	15,900	13,400
24	7,920	9,030	8,770	6,790	9,900	12,700	18,700	13,900	18,200	15,200	13,900	11,500
25	8,130	4,180	4,850	9,810	13,600	16,200	17,200	14,100	18,000	14,300	12,900	14,100
26	8,140	4,130	7,050	9,980	11,800	17,100	16,900	12,600	17,500	17,200	15,600	9,830
27	8,670	4,120	6,040	9,940	11,300	14,800	17,200	13,600	16,700	17,700	14,700	9,140
28	5,980	4,160	6,540	16,900	12,600	15,400	13,500	14,000	16,200	14,200	14,900	9,530
29	7,290	6,300	4,990	10,400	------	15,700	17,600	14,700	17,600	18,100	14,700	9,060
30	9,210	6,530	4,990	12,500	------	14,900	17,300	16,400	14,200	18,300	14,400	11,300
31	7,200	------	6,350	11,500	------	13,000	------	16,300	------	18,000	14,200	------
TOTAL	300,770	212,700	226,070	191,690	294,930	428,760	520,500	441,600	466,800	495,380	490,200	389,320
MEAN	9,702	7,090	7,293	6,184	10,530	13,830	17,350	14,250	15,560	15,980	15,810	12,980
MAX	14,200	10,400	10,700	16,900	13,700	17,700	18,800	17,400	18,200	19,100	18,300	16,300
MIN	5,980	4,120	4,850	1,930	4,820	6,760	13,200	12,200	12,600	4,780	12,100	8,710
AC-FT	596,600	421,900	448,400	380,200	585,000	850,400	1,032M	875,900	925,900	982,600	972,300	772,200

CAL YR 1973 TOTAL 4,144,780 MEAN 11,360 MAX 18,400 MIN 1,870 AC-FT 8,221,000
WTR YR 1974 TOTAL 4,458,720 MEAN 12,220 MAX 19,100 MIN 1,930 AC-FT 8,844,000

10244720 Franklin River near Arthur, Nev.

LOCATION.--Lat 40°49'25", long 115°08'10", in SE¼SW¼ sec.18, T.34 N., R.61 E., Elko County, on right bank 1 mi (1.6 km) above Horse Creek and 3.5 mi (5.6 km) northeast of Arthur.

DRAINAGE AREA.--10.3 mi² (26.7 km²).

PERIOD OF RECORD.--August 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6,567.30 ft (2,001.713 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE.--10 years, 11.5 ft³/s (0.326 m³/s), 8,330 acre-ft/yr (10.3 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 88 ft³/s (2.49 m³/s) May 27, gage height, 2.17 ft (0.661 m); minimum, 1.3 ft³/s (0.037 m³/s) Aug. 28.

Period of record: Maximum discharge, 152 ft³/s (4.30 m³/s) June 20, 1967, gage height, 2.32 ft (0.707 m); maximum gage height, 2.54 ft (0.774 m) May 18, 1973; minimum daily discharge, 0.77 ft³/s (0.022 m³/s) Sept. 6-9, 1966.

REMARKS.--Records good except those for winter periods, which are poor. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	2.7	2.9	2.3	2.1	2.4	6.8	17	55	30	5.7	1.4
2	1.8	2.5	2.9	2.1	2.1	2.2	6.3	19	55	28	5.3	1.6
3	1.9	2.4	2.6	2.0	2.2	2.0	6.6	19	54	26	4.9	1.7
4	2.0	2.3	2.7	2.0	2.3	1.8	5.4	19	53	24	4.7	1.6
5	2.0	2.5	2.8	2.1	2.1	2.0	5.5	23	51	23	4.7	1.5
6	2.0	3.2	3.0	2.1	1.8	2.2	5.6	25	48	22	4.6	1.6
7	2.0	4.0	3.2	2.2	2.0	2.1	5.7	32	44	20	4.4	1.6
8	2.8	3.7	3.1	2.1	1.8	2.2	6.3	44	42	18	4.0	1.5
9	2.4	2.9	3.0	2.0	1.8	2.4	6.7	58	40	17	3.8	1.6
10	2.3	2.7	2.9	2.0	1.8	2.6	6.4	51	42	17	3.6	1.4
11	2.3	2.6	3.2	1.9	2.0	2.8	6.7	40	46	15	3.4	1.4
12	2.3	3.1	3.1	1.9	2.0	3.1	6.4	39	49	14	3.2	2.0
13	2.3	2.9	3.2	1.9	2.0	3.2	6.1	37	50	13	3.1	2.3
14	2.3	2.8	3.2	1.9	1.8	3.8	6.7	34	51	14	2.9	2.4
15	2.3	2.7	3.0	2.0	2.0	8.0	7.5	33	51	14	2.8	2.4
16	2.3	2.8	2.9	2.0	2.1	7.5	6.7	32	51	13	2.6	2.2
17	2.3	2.7	3.0	2.1	2.1	6.9	12	32	50	13	2.4	1.9
18	2.3	3.1	2.9	2.0	2.0	6.4	15	32	49	13	2.3	1.8
19	2.3	2.4	2.8	2.3	2.1	5.9	14	30	48	12	2.3	1.5
20	2.3	2.4	2.9	2.1	2.0	5.7	12	27	47	11	2.4	1.4
21	2.3	2.5	2.8	2.0	2.1	5.5	13	26	45	10	2.3	1.4
22	2.3	2.5	2.7	2.0	2.1	5.6	15	25	42	9.8	2.2	1.5
23	2.5	2.6	2.7	2.1	2.0	5.6	19	25	40	9.5	2.0	1.5
24	2.5	2.5	2.6	2.0	1.8	6.0	22	31	38	9.0	2.0	1.5
25	2.5	2.4	2.7	2.0	1.8	7.0	22	38	36	8.5	1.9	1.5
26	2.4	2.5	2.5	2.0	2.0	7.6	19	48	35	8.0	1.8	1.6
27	2.4	2.7	2.7	2.0	1.9	7.7	16	63	33	7.4	1.6	1.6
28	2.3	2.7	2.8	1.8	2.0	6.8	14	74	32	7.0	1.3	1.7
29	2.4	2.7	3.0	1.8	------	6.2	13	66	31	6.6	1.4	1.8
30	2.4	2.8	3.1	2.0	------	6.7	14	58	31	6.4	1.5	1.8
31	2.5	------	2.8	2.0	------	6.8	------	55	------	6.0	1.5	------
TOTAL	70.5	82.3	89.9	62.7	55.8	146.7	323.5	1,154	1,339	446.2	92.6	50.7
MEAN	2.27	2.74	2.90	2.02	1.99	4.73	10.8	37.2	44.6	14.4	2.99	1.69
MAX	2.8	4.0	3.2	2.3	2.3	8.0	22	74	55	30	5.7	2.4
MIN	1.8	2.3	2.5	1.8	1.8	1.8	5.4	17	31	6.0	1.3	1.4
AC-FT	140	163	178	124	111	291	642	2,290	2,660	885	184	101

CAL YR 1973 TOTAL 4,477.3 MEAN 12.3 MAX 119 MIN 1.5 AC-FT 8,880
WTR YR 1974 TOTAL 3,913.9 MEAN 10.7 MAX 74 MIN 1.3 AC-FT 7,760

Peak discharge (base, 60 cfs).--May 9 (1900) 84 cfs (2.15 ft); May 27 (2000) 88 cfs (2.17 ft).

NOTE.--Upstream beaver dams caused some flow to bypass the gage May 30 to Sept. 30.

10244950 Steptoe Creek near Ely, Nev.
(Hydrologic bench-mark station)

LOCATION.--Lat 39°12'05", long 114°41'15", in SW¼SW¼ sec.32, T.16 N., R.65 E., White Pine County, on left bank 0.1 mi (0.2 km) downstream from Clear Creek, 0.8 mi (1.3 km) upstream from Cave Creek, and 11 mi (18 km) east-southeast of Ely.

DRAINAGE AREA.--11.1 mi^2 (28.7 km^2).

PERIOD OF RECORD.--June 1966 to current year.

GAGE.--Water-stage and thermograph recorders. Altitude of gage is 7,440 ft (2,268 m), from topographic map.

AVERAGE DISCHARGE.--8 years, 7.06 ft^3/s (0.200 m^3/s), 5,110 acre-ft/yr (6.30 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 10 ft^3/s (0.28 m^3/s) May 13, gage height, 1.98 ft (0.604 m); minimum, 3.6 ft^3/s (0.10 m^3/s) on many days.

Period of record: Maximum discharge, 36 ft^3/s (1.02 m^3/s) May 20, 21, 1973, gage height, 2.70 ft (0.823 m); maximum gage height, 2.73 ft (0.832 m) June 19, 1967; minimum discharge, 2.0 ft^3/s (0.057 m^3/s) Dec. 22, 1966, Mar. 3, 1973.

REMARKS.--Records excellent. Water-quality records for the current year are published in Part 2 of this report. No diversions above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	4.4	4.2	4.2	4.4	3.8	4.8	5.5	8.8	6.1	4.5	3.9
2	5.4	4.4	4.1	3.9	4.4	3.7	4.8	5.7	8.8	6.1	4.5	3.9
3	5.4	4.3	4.2	4.1	4.4	3.8	4.5	5.9	8.6	5.7	4.6	3.8
4	5.3	4.2	4.2	4.3	4.4	3.8	4.6	5.9	8.5	5.6	4.6	3.8
5	5.2	4.4	4.4	4.4	4.4	3.9	4.8	5.9	8.5	5.5	4.5	3.7
6	5.2	4.4	4.4	4.5	4.4	4.0	4.7	6.3	8.6	5.5	4.5	3.7
7	5.2	4.4	4.4	4.4	4.1	4.0	4.6	6.6	8.6	5.5	4.5	3.7
8	5.3	4.5	4.4	4.4	4.1	3.9	4.7	7.1	8.4	5.4	4.5	3.7
9	5.3	4.4	4.3	4.4	4.2	3.9	4.8	7.9	8.2	5.3	4.5	3.7
10	5.2	4.4	4.3	4.4	4.2	3.9	4.4	9.1	8.1	5.3	4.4	3.7
11	5.1	4.4	4.3	4.4	4.2	3.8	4.8	9.1	8.0	5.3	4.4	3.9
12	5.0	4.4	4.2	4.4	4.2	3.8	4.9	9.5	8.1	4.9	4.4	3.9
13	5.0	4.4	4.4	4.4	4.2	3.8	4.6	9.8	8.0	4.9	4.3	3.9
14	4.9	4.4	4.2	4.4	4.1	3.9	4.7	9.2	7.9	4.9	4.3	3.9
15	4.8	4.3	4.0	4.4	4.1	4.0	4.7	9.2	7.9	4.9	4.3	3.8
16	4.8	4.4	4.2	4.6	4.1	4.1	4.6	9.5	7.6	5.0	4.3	3.8
17	4.8	4.2	4.4	4.6	4.2	4.2	4.7	9.4	7.6	4.9	4.3	3.8
18	4.8	4.3	4.3	4.6	4.1	4.4	5.1	9.1	7.5	4.8	4.3	3.7
19	4.8	4.2	4.0	4.6	4.1	4.4	5.2	8.8	7.4	4.8	4.3	3.7
20	4.8	4.1	4.2	4.6	4.0	4.6	5.3	8.2	7.3	4.8	4.3	3.7
21	4.8	4.4	4.4	4.4	4.0	4.6	5.2	7.6	7.2	4.7	4.1	3.7
22	4.7	4.3	4.4	4.2	4.1	4.8	5.3	7.4	7.1	4.7	4.1	3.7
23	4.7	4.6	4.4	4.5	3.8	4.8	5.5	7.3	7.0	4.6	4.1	3.7
24	4.6	4.6	4.2	4.6	3.8	4.8	5.8	7.1	6.9	4.7	4.1	3.7
25	4.6	4.2	4.1	4.4	3.8	4.8	5.9	7.1	6.6	4.7	4.0	3.7
26	4.6	4.6	3.9	4.6	3.8	5.0	6.0	7.9	6.5	4.6	4.0	3.7
27	4.6	4.5	4.6	4.6	3.8	5.0	5.9	8.4	6.4	4.5	3.9	3.7
28	4.5	4.4	4.4	4.6	3.8	4.8	5.7	9.1	6.3	4.5	3.9	3.7
29	4.5	4.4	4.4	4.6	------	4.8	5.5	9.4	6.2	4.5	3.9	3.6
30	4.4	4.4	4.2	4.5	------	4.8	5.5	9.3	6.1	4.6	3.9	3.6
31	4.4	------	4.1	4.4	------	4.8	------	9.1	------	4.7	3.9	------
TOTAL	152.1	131.3	132.2	137.4	115.2	132.7	151.6	247.5	228.7	156.0	132.2	112.5
MEAN	4.91	4.38	4.26	4.43	4.11	4.28	5.05	7.98	7.62	5.03	4.26	3.75
MAX	5.4	4.6	4.6	4.6	4.4	5.0	6.0	9.8	8.8	6.1	4.6	3.9
MIN	4.4	4.1	3.9	3.9	3.8	3.7	4.4	5.5	6.1	4.5	3.9	3.6
AC-FT	302	260	262	273	228	263	301	491	454	309	262	223

CAL YR 1973 TOTAL 3,330.0 MEAN 9.12 MAX 35 MIN 2.4 AC-FT 6,610
WTR YR 1974 TOTAL 1,829.4 MEAN 5.01 MAX 9.8 MIN 3.6 AC-FT 3,630

10245800 Newark Valley tributary near Hamilton, Nev.

LOCATION.--Lat 39°25'00", long 115°37'52", in S½NE¼ sec. 23, T.18 N., R.56 E., White Pine County, on left bank above culvert on U.S. Highway 50, 3.5 mi (5.6 km) east of Pancake Summit, 14 mi (23 km) northwest of Hamilton, and 19 mi (31 km) east of Eureka.

DRAINAGE AREA.--157 mi^2 (407 km^2).

PERIOD OF RECORD.--Water year 1962 (annual maximum), August 1962 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Altitude of gage is 6,120 ft (1,865 m), from topographic map. October 1961 to August 1962, crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--12 years, 0.135 ft^3/s (0.0038 m^3/s), 98 acre-ft/yr (121,000 m^3/yr).

EXTREMES.--Current year: Maximum discharge, 2.5 ft^3/s (0.071 m^3/s), Mar. 1, gage height, 0.39 ft (0.119 m); no flow most of the year.

Period of record: Maximum discharge, 238 ft^3/s (6.74 m^3/s) July 31, 1968, by slope-area measurement of peak flow, gage height 4.55 ft (1.387m); no flow most of the time.

REMARKS.--Records of flow fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						.50						
2						0						
3						0						
4						0						
5						0						
6						0						
7						0						
8						0						
9						0						
10						0						
11						0						
12						0						
13						0						
14						0						
15						0						
16						0						
17						0						
18						0						
19						0						
20						0						
21						0						
22						0						
23						0						
24						0						
25						0						
26						0						
27						0						
28						0						
29					------	0						
30					------	0						
31		------			------	0	------		------			------
TOTAL	0	0	0	0	0	.50	0	0	0	0	0	0
MEAN	0	0	0	0	0	.016	0	0	0	0	0	0
MAX	0	0	0	0	0	.50	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	1.0	0	0	0	0	0	0

CAL YR 1973 TOTAL 2.40 MEAN .0070 MAX .90 MIN 0 AC-FT 4.8
WTR YR 1974 TOTAL 0.50 MEAN .0010 MAX .50 MIN 0 AC-FT 1.0

Peak discharge (base, 10 cfs).—No peak above base.

10246846 Little Currant Creek near Currant, Nev.

LOCATION.--Lat 38°50'50", long 115°22'00", in NE¼NW¼ sec.5, T.11 N., R.59 E., Nye County, on right bank 0.2 mi (0.3 km) upstream from reservoir diversion, 2.5 mi (4.0 km) upstream from mouth, and 9 mi (14 km) northeast of Currant.

DRAINAGE AREA.--12.9 mi^2 (33.4 km^2).

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,700 ft (2,042 m), from topographic map.

AVERAGE DISCHARGE.--10 years, 2.97 ft^3/s (0.0841 m^3/s), 2,150 acre-ft/yr (2.65 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 3.5 ft^3/s (0.099 m^3/s) May 15, 16, 20, gage height, 1.32 ft (0.402 m); no flow for many days.

Period of record: Maximum discharge, 366 ft^3/s (10.4 m^3/s) Dec. 6, 1966, gage height, 4.1 ft (1.25 m), from floodmarks, from rating curve extended above 60 ft^3/s (1.70 m^3/s) on basis of slope-area measurement of peak flow; no flow occurs most years.

REMARKS.--Records good except those for winter periods, which are poor. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.82	.80	.60	.41	.39	.55	1.0	1.5	2.9	.36		
2	.83	.83	.56	.31	.44	.61	1.0	1.5	2.8	.36		
3	.87	.83	.54	.32	.44	.61	.93	1.6	2.5	.34		
4	.89	.78	.50	.33	.44	.50	.90	1.7	2.4	.29		
5	.88	.82	.52	.34	.36	.61	.93	1.7	2.3	.25		
6	.90	.79	.52	.35	.32	.59	.90	1.7	2.2	.22		
7	.93	.74	.55	.30	.31	.55	.89	1.8	2.1	.20		
8	1.2	.74	.56	.33	.28	.55	.88	2.0	2.0	.18		
9	1.0	.78	.57	.32	.29	.55	.92	2.1	2.0	.17		
10	1.0	.74	.59	.31	.30	.55	.91	2.4	1.8	.15		
11	1.0	.73	.59	.34	.31	.55	.90	3.0	1.6	.13		
12	.98	.77	.60	.37	.34	.61	.90	3.3	1.5	.11		
13	.91	.79	.58	.40	.34	.61	.88	3.4	1.4	.08		
14	.89	.76	.57	.44	.44	.68	.92	3.4	1.4	.05		
15	.89	.77	.57	.44	.44	.68	.90	3.4	1.3	.06		
16	.88	.75	.63	.47	.44	.75	.92	3.4	1.2	.08		
17	.88	.74	.55	.53	.49	.83	.87	3.3	1.2	.08		
18	.87	.70	.56	.50	.49	.92	.95	3.3	1.1	.07		
19	.87	.71	.55	.49	.49	.97	1.1	3.3	.95	.06		
20	.83	.60	.59	.49	.49	.90	1.1	3.3	.92	.05		
21	.87	.60	.63	.40	.40	.91	1.2	3.1	.85	.04		
22	.87	.60	.53	.30	.45	.95	1.2	2.8	.79	.02		
23	.91	.57	.49	.35	.38	.96	1.2	2.5	.73	.01		
24	.90	.54	.52	.40	.35	.96	1.3	2.4	.66	0		
25	.89	.50	.45	.45	.40	.96	1.4	2.2	.61	.01		
26	.88	.52	.40	.40	.49	1.0	1.5	2.0	.60	.02		
27	.87	.52	.45	.35	.44	1.0	1.6	2.1	.57	.02		
28	.82	.52	.46	.37	.49	1.0	1.6	2.2	.51	.01		
29	.86	.55	.53	.37	------	1.0	1.5	2.4	.47	0		
30	.86	.56	.48	.37	------	1.0	1.5	2.7	.39	0		
31	.81	------	.40	.39	------	1.0	------	2.9	------	0		------
TOTAL	27.86	20.65	16.64	11.94	11.24	23.91	32.70	78.5	41.75	3.42	0	0
MEAN	.90	.69	.54	.39	.40	.77	1.09	2.53	1.39	.11	0	0
MAX	1.2	.83	.63	.53	.49	1.0	1.6	3.4	2.9	.36	0	0
MIN	.81	.50	.40	.30	.28	.50	.87	1.5	.39	0	0	0
AC-FT	55	41	33	24	22	47	65	156	83	6.8	0	0

CAL YR 1973 TOTAL 1,647.49 MEAN 4.51 MAX 30 MIN 0 AC-FT 3,270
WTR YR 1974 TOTAL 268.61 MEAN .74 MAX 3.4 MIN 0 AC-FT 533

PENOYER (SAND SPRING) VALLEY

10247860 Penoyer Valley tributary near Tempiute, Nev.

LOCATION.--Lat 37°35'07", long 115°40'48", in SE$\frac{1}{4}$NE$\frac{1}{4}$ sec.21, T.4 S., R.56 E., Lincoln County, on left bank upstream side of culvert on State Highway 25, one mi (1.6 km) northwest of Coyote Summit, and 5.3 mi (8.5 km) south of Tempiute.

DRAINAGE AREA.--1.48 mi^2 (3.83 km^2).

PERIOD OF RECORD.--Water years 1964-65 (annual maximum), October 1965 to current year.

GAGE.--Flood-hydrograph recorder and crest-stage gage. Altitude of gage is 5,480 ft (1,670 m) approximately (from topographic map). October 1963 to September 1965, crest-stage gage at same site (on right bank) and datum.

AVERAGE DISCHARGE.--9 years, 0.002 ft^3/s (0.0001 m^3/s), 1.4 acre-ft/yr (1,730 m^3/s).

EXTREMES.--Current year: No flow for the entire year.
Period of record: Maximum discharge, 130 ft^3/s (3.68 m^3/s) Aug. 6, 1968, gage height, 6.36 ft (1.938 m) from floodmarks, from indirect measurement of peak flow; no flow most of the time.

REMARKS.--Records good. No regulation above station.

ELDORADO VALLEY

10248510 Eldorado Valley tributary near Nelson, Nev.

LOCATION.--Lat 35°48'35", long 114°53'05", in E$\frac{1}{2}$SE$\frac{1}{4}$SE$\frac{1}{4}$ sec.36, T.24 S., R.63 E., Clark County, on right bank upstream side of culvert on State Highway 60 and 8 mi (13 km) northwest of Nelson.

DRAINAGE AREA.--1.41 mi^2 (2.59 km^2).

PERIOD OF RECORD.--Water years 1964-65 (annual maximum), October 1965 to current year.

GAGE.--Flood-hydroghraph recorder and crest-stage gage. Altitude of gage is 2,470 ft (753 m), approximately (from topographic map). October 1963 to September 1965, crest-stage gage at same site (on left bank) and datum.

AVERAGE DISCHARGE.--9 years, 0.010 ft^3/s (0.0003 m^3/s), 7.2 acre-ft/yr (8,880 m^3/yr).

EXTREMES.--Current year: Maximum discharge, 1 ft^3/s (0.028 m^3/s) gage-height, 2.66 ft (0.811 m), sometime in September; no mean daily flow for the entire year.
Period of record: Maximum discharge, 530 ft^3/s (15.0 m^3/s) Aug. 4, 1970, gage height of pond, 9.00 ft (2.743 m); no flow most of the time.

REMARKS.--Records good. No regulation above station.

10249280 Kingston Creek below Cougar Canyon, near Austin, Nev.

LOCATION.--Lat 39°12'45", long 117°06'45", in NW¼ sec.35, T.16 N., R.43 E., Lander County, on left bank 1.1 mi (1.8 km) downstream from Cougar Canyon and 19 mi (31 km) southeast of Austin.

DRAINAGE AREA.--23.4 mi^2 (60.6 km^2).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,480 ft (1,975 m), from topographic map.

AVERAGE DISCHARGE.--8 years, 7.94 ft^3/s (0.225 m^3/s), 5,750 acre-ft/yr (7.09 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 15 ft^3/s (0.42 m^3/s) May 19, 20, gage height, 1.24 ft (0.378 m); maximum gage height, 1.26 ft (0.384 m) May 31; minimum discharge, 2.6 ft^3/s (0.074 m^3/s) Apr. 16, 17, 24.

Period of record: Maximum discharge, 150 ft^3/s (4.25 m^3/s) May 18, 1973, gage height, 3.58 ft (1.091 m); minimum, 1.4 ft^3/s Aug. 24, 1972.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Two diversions above station. Flow affected by storage in Groves Reservoir, capacity, 190 acre-ft (234,000 m^3) about 4 mi (6 km) upstream since January 1970, when installation was completed by Nevada Department of Fish and Game for fishery enhancement and recreation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	6.1	5.4	5.0	5.1	4.5	4.7	9.9	12	7.8	6.8	5.1
2	7.3	5.7	5.3	4.8	5.8	5.3	5.0	10	12	7.6	6.6	5.2
3	7.2	5.7	5.2	4.7	6.0	5.0	4.8	10	11	7.6	6.5	5.2
4	7.3	5.7	5.1	4.7	5.6	3.7	4.5	10	9.0	7.4	6.3	5.1
5	7.1	5.5	5.0	4.8	5.6	4.5	4.3	11	9.0	7.4	6.3	5.0
6	6.9	5.2	5.0	4.9	5.4	4.5	4.2	11	9.1	7.4	6.3	4.8
7	7.0	5.2	5.0	5.0	5.5	4.6	3.9	11	8.4	7.4	6.1	4.8
8	7.5	5.7	5.0	5.0	5.4	4.6	3.9	12	8.0	7.3	6.0	4.8
9	7.2	5.7	5.0	5.0	5.0	4.5	4.1	12	8.0	7.4	6.0	4.8
10	7.0	5.7	5.1	5.0	4.7	4.4	4.1	12	8.3	7.7	6.3	4.8
11	6.9	5.7	5.3	5.0	4.6	4.6	4.0	13	8.1	8.0	6.3	4.8
12	7.0	5.7	5.4	5.0	4.6	4.7	3.6	13	7.7	7.7	5.5	5.3
13	6.6	5.6	5.5	5.0	4.5	4.7	3.6	13	7.1	7.5	5.0	5.2
14	6.6	5.6	5.5	5.2	4.3	4.5	3.6	14	7.3	7.6	4.9	5.1
15	6.6	5.5	5.4	5.5	4.6	4.7	3.3	13	7.8	7.9	5.0	5.1
16	6.6	5.4	5.6	5.8	4.7	5.1	3.0	14	8.1	8.2	4.9	5.0
17	6.6	5.3	5.4	6.1	4.8	5.1	3.0	14	8.3	8.1	4.8	4.8
18	6.6	5.3	5.3	6.3	5.1	5.1	3.0	14	8.3	7.7	5.2	4.8
19	6.6	5.3	5.1	6.5	5.0	4.7	3.3	15	8.1	7.5	5.2	4.8
20	6.6	5.2	5.2	6.4	4.6	4.7	3.3	15	8.1	7.4	5.4	4.8
21	6.1	5.2	5.3	6.4	4.9	4.8	3.0	14	8.1	7.1	5.4	4.8
22	6.6	5.2	5.2	6.3	4.8	4.7	3.0	14	7.9	6.8	5.2	4.5
23	7.0	5.2	5.0	6.3	3.7	4.5	3.1	13	7.9	6.7	5.2	4.2
24	7.0	5.2	4.8	6.4	4.4	4.5	3.0	12	8.3	6.8	5.1	4.2
25	7.0	5.1	5.0	6.6	4.3	4.7	3.1	12	8.1	6.8	4.8	4.2
26	6.6	5.2	4.8	6.5	4.2	4.6	3.2	12	8.1	6.5	4.8	4.2
27	6.6	5.4	5.2	6.3	4.3	4.7	3.0	12	7.7	6.3	4.5	3.7
28	6.6	5.5	5.8	6.3	4.0	4.7	3.1	12	7.5	6.3	4.5	4.0
29	6.6	5.6	7.5	6.2	------	4.4	3.4	12	7.4	6.2	4.8	3.7
30	6.1	5.6	7.0	6.1	------	4.5	8.3	12	7.6	6.4	4.8	3.7
31	6.1	------	6.0	6.1	------	4.8	------	13	------	6.4	4.8	------
TOTAL	210.8	164.0	166.4	175.2	135.5	144.4	113.4	384.9	252.3	224.9	169.3	140.5
MEAN	6.80	5.47	5.37	5.65	4.84	4.66	3.78	12.4	8.41	7.25	5.46	4.68
MAX	7.5	6.1	7.5	6.6	6.0	5.3	8.3	15	12	8.2	6.8	5.3
MIN	6.1	5.1	4.8	4.7	3.7	3.7	3.0	9.9	7.1	6.2	4.5	3.7
AC-FT	418	325	330	348	269	286	225	763	500	446	336	279

CAL YR 1973 TOTAL 5,613.5 MEAN 15.4 MAX 110 MIN 2.6 AC-FT 11,130
WTR YR 1974 TOTAL 2,281.6 MEAN 6.25 MAX 15 MIN 3.0 AC-FT 4,530

NOTE.--No gage-height record Nov. 12 to Feb. 1.

10249300 South Twin River near Round Mountain, Nev.
(Hydrologic bench-mark station)

LOCATION.--Lat 38°53'00", long 117°14'35", in SE¼ sec.22, T.12 N., R.42 E., Nye County, on right bank 600 ft (183 m) upstream from diversion, 3 mi (5 km) west of State Highway 8A, and 15 mi (24 km) northwest of Round Mountain.

DRAINAGE AREA.--20 mi^2 (52 km^2), approximately.

PERIOD OF RECORD.--1964 (miscellaneous site), 1965 (low-flow, partial-record site), August 1965 to current year.

GAGE.--Water-stage recorder with thermograph attachment. Altitude of gage is 6,400 ft (1,951 m), from topographic map.

AVERAGE DISCHARGE.--9 years, 5.34 ft^3/s (0.151 m^3/s), 3,870 acre-ft/yr (4.77 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 24 ft^3/s (0.68 m^3/s) May 10, 12, gage height, 2.49 ft (0.759 m); minimum, 0.80 ft^3/s (0.023 m^3/s) Sept. 7-11.

Period of record: Maximum discharge, 105 ft^3/s (2.97 m^3/s) June 17, 1969, gage height, 3.21 ft (0.978 m); minimum, 0.11 ft^3/s (0.003 m^3/s) Sept. 4, 1972.

REMARKS.--Records good. No diversions above station. Water-quality records for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	1.9	2.1	1.7	2.3	1.8	4.0	5.7	18	4.0	2.3	.88
2	1.7	2.0	2.0	1.6	2.2	2.0	4.0	7.0	17	4.0	2.1	.87
3	1.8	1.9	1.6	1.6	2.3	1.9	3.8	8.3	16	3.8	1.9	.88
4	1.8	1.6	1.6	1.7	2.3	2.1	3.5	9.0	15	3.6	1.8	.88
5	1.8	1.8	1.6	1.8	2.2	2.1	3.6	9.8	14	3.5	1.9	.87
6	1.9	1.8	1.6	1.8	2.1	2.2	3.7	11	14	3.4	2.1	.87
7	1.9	1.8	1.7	1.8	2.0	2.2	3.7	13	13	3.3	1.9	.85
8	2.3	1.8	1.9	1.9	2.0	2.3	3.8	17	13	3.3	1.8	.84
9	2.2	1.8	2.0	2.0	2.0	2.4	4.0	20	12	3.3	1.7	.83
10	2.1	1.8	2.0	2.0	2.0	2.9	4.1	22	11	3.5	1.6	.82
11	2.1	1.9	2.1	2.0	2.0	3.3	4.0	23	9.9	3.4	1.5	.86
12	2.1	2.2	1.9	2.0	2.0	3.4	3.9	23	8.6	3.1	1.4	.94
13	2.1	2.1	2.1	2.0	1.9	3.2	3.8	22	8.7	2.9	1.4	1.1
14	2.0	2.1	2.0	2.0	1.9	3.4	3.8	20	8.1	2.8	1.3	1.1
15	2.0	2.1	1.8	2.0	1.8	3.8	3.9	19	8.0	2.9	1.3	1.1
16	2.0	2.1	2.0	2.0	1.7	4.2	4.0	19	7.6	3.0	1.2	1.1
17	2.0	2.1	1.9	2.1	1.7	4.3	4.3	18	7.1	2.9	1.2	1.1
18	2.0	2.2	1.8	2.2	1.8	4.4	5.0	17	6.9	2.6	1.1	1.0
19	2.0	2.0	1.7	2.3	1.9	4.2	5.2	16	6.8	2.4	1.1	1.0
20	2.0	1.7	2.0	2.3	1.9	4.0	5.1	14	6.7	2.4	1.2	.97
21	2.0	2.0	1.9	2.2	2.0	3.9	4.8	12	6.3	2.3	1.2	.96
22	2.0	1.6	1.9	2.1	1.9	3.8	4.8	11	6.0	2.4	1.1	.95
23	2.0	2.1	1.8	2.1	1.8	3.8	5.0	10	5.6	2.4	1.1	.96
24	2.0	2.2	1.8	2.3	1.7	3.8	5.2	9.9	5.2	2.3	1.0	.97
25	2.0	2.0	1.9	2.3	1.7	3.8	5.4	10	4.9	2.3	.97	.98
26	2.0	2.1	1.8	2.3	1.7	3.8	5.4	13	4.8	2.2	.96	.96
27	2.0	2.2	2.0	2.2	1.7	3.9	5.2	16	4.5	2.1	.95	.99
28	2.0	2.1	2.1	2.2	1.8	3.8	5.0	20	4.3	2.0	.94	1.1
29	1.9	2.1	3.2	2.2	------	3.7	4.8	21	4.1	1.9	.92	1.1
30	1.9	2.1	2.6	2.2	------	3.8	5.0	21	4.0	1.9	.89	1.1
31	1.9	------	2.2	2.3	------	3.8	------	19	------	2.2	.88	------
TOTAL	61.2	59.2	60.6	63.2	54.3	102.0	131.8	476.7	271.1	88.1	42.71	28.93
MEAN	1.97	1.97	1.95	2.04	1.94	3.29	4.39	15.4	9.04	2.84	1.38	.96
MAX	2.3	2.2	3.2	2.3	2.3	4.4	5.4	23	18	4.0	2.3	1.1
MIN	1.7	1.6	1.6	1.6	1.7	1.8	3.5	5.7	4.0	1.9	.88	.82
AC-FT	121	117	120	125	108	202	261	946	538	175	85	57

CAL YR 1973 TOTAL 2,838.30 MEAN 7.78 MAX 71 MIN 1.4 AC-FT 5,630
WTR YR 1974 TOTAL 1,439.84 MEAN 3.94 MAX 23 MIN .82 AC-FT 2,860

PEAK DISCHARGE (BASE, 20 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
05-10	2400	2.49	24	05-30	0300	2.45	22

10249411 Campbell Creek tributary near Eastgate, Nev.

LOCATION.--Lat 39°15'58", long 117°41'56", in SE¼NE¼ sec.9, T.16 N., R.38 E., Lander County, on left bank just upstream from culvert on State Highway 2, 1.5 mi (2.4 km) east of Lander County line, and 10 mi (16 km) east of Eastgate.

DRAINAGE AREA.--2.14 mi^2 (5.54 km^2).

PERIOD OF RECORD.--Water years 1961-63 (annual maximum), October 1963 to current year.

GAGE.--Water-stage recorder with rain-gage attachment, and crest-stage gage. Altitude of gage is 6,950 ft (2,118 m), from topographic map. Oct. 1, 1960, to Sept. 30, 1963, crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--11 years, 0.054 ft^3/s (0.0015 m^3/s), 39 acre-ft/yr (48,100 m^3/yr).

EXTREMES.--Current year: Maximum discharge, 1.7 ft^3/s (0.048 m^3/s) July 31, gage height, 1.32 ft (0.402 m); no flow most of the year.

Period of record: Maximum discharge, 179 ft^3/s (5.07 m^3/s) Aug. 24, 1961, gage height, 8.2 ft (2.50 m) from floodmarks, on basis of computations of flow through culvert; no flow most of the time.

REMARKS.--Records of flow poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				0		0	.20	.10	.20	.10	.40	
2				0		0	.20	.10	.20	.10	.40	
3				0		0	.20	.10	.20	.10	.40	
4				0		0	.30	.10	.20	.10	.40	
5				0		0	.20	.10	.20	.10	.40	
6				0		0	.20	.10	.20	.10	.40	
7				0		0	.20	.10	.20	.10	.40	
8				0		0	.20	.10	.20	.10	.30	
9				0		0	.20	.10	.20	.10	.30	
10				0		0	.20	.10	.20	.20	.20	
11				0		0	.20	.10	.20	.20	.20	
12				.10		0	.20	.10	.20	.20	.20	
13				0		0	.20	.10	.20	.20	.10	
14				0		0	.20	.10	.20	.10	.10	
15				0		0	.20	.10	.20	.10	.10	
16				0		0	.20	.10	.20	.20	0	
17				0		0	.20	.10	.20	.20	0	
18				0		.10	.20	.10	.20	.10	0	
19				0		.10	.20	.10	.20	.10	0	
20				0		.10	.20	.10	.20	.10	0	
21				0		.20	.20	.20	.20	0	0	
22				0		.20	.20	.20	.20	0	0	
23				0		.20	.20	.20	.20	.10	0	
24				0		.20	.20	.20	.20	.10	0	
25				0		.20	.20	.20	.20	.10	0	
26				0		.20	.20	.20	.20	0	0	
27				0		.20	.20	.20	.20	0	0	
28				0		.20	.10	.20	.10	.10	0	
29				0	------	.20	.10	.20	.10	.10	0	
30				0	------	.20	.10	.20	.10	.20	0	
31		------		0	------	.20	------	.20	------	.40	0	------
TOTAL	0	0	0	.10	0	2.50	5.80	4.20	5.70	3.70	4.30	0
MEAN	0	0	0	.003	0	.081	.19	.14	.19	.12	.14	0
MAX	0	0	0	.10	0	.20	.30	.20	.20	.40	.40	0
MIN	0	0	0	0	0	0	.10	.10	.10	0	0	0
AC-FT	0	0	0	.2	0	5.0	12	8.3	11	7.3	8.5	0

CAL YR 1973 TOTAL 65.60 MEAN .18 MAX 1.2 MIN 0 AC-FT 130
WTR YR 1974 TOTAL 26.30 MEAN .072 MAX .40 MIN 0 AC-FT 52

10249900 Chiatovich Creek near Dyer, Nev.

LOCATION.--Lat 37°50'00", long 118°12'10", in NE¼NE¼ sec.28, T.1 S., R.34 E., Esmeralda County, on left bank 300 ft (90 m) downstream from Middle Creek, 5 mi (8 km) west of State Highway 3A, and 10 mi (16 km) northwest of Dyer.

DRAINAGE AREA.--37.3 mi^2 (96.6 km^2).

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,350 ft (1,935 m), from topographic map.

AVERAGE DISCHARGE.--14 years, 8.89 ft^3/s (0.252 m^3/s), 6,440 acre-ft/yr (7.94 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 18 ft^3/s (0.51 m^3/s) Aug. 4, gage height, 1.43 ft (0.436 m); maximum gage height, 1.52 ft (0.463 m) Jan. 3 (backwater from ice); minimum daily discharge, 6.0 ft^3/s (0.17 m^3/s) Jan. 3.

Period of record: Maximum discharge, 527 ft^3/s (14.9 m^3/s) July 31, 1965, gage height, about 5.0 ft (1.52 m), on basis of slope-area measurement of peak flow; minimum, 1.0 ft^3/s (0.028 m^3/s) Feb. 18, 1961, result of freezeup.

REMARKS.--Records good. No diversions above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	9.0	8.4	7.8	7.7	9.7	6.7	7.5	8.8	11	13	8.2
2	10	9.1	8.1	7.0	7.5	8.1	6.6	7.6	8.3	11	13	8.3
3	10	8.8	7.5	6.0	7.6	7.1	6.8	7.8	8.5	11	12	8.5
4	10	7.8	7.6	6.5	7.6	7.7	6.8	7.7	8.6	11	13	8.5
5	10	8.9	7.9	7.0	7.3	7.4	6.9	7.6	8.8	11	13	8.4
6	10	8.7	8.0	7.0	7.6	7.5	6.9	7.8	9.1	11	12	8.4
7	11	8.5	8.0	7.2	7.9	7.1	6.9	8.0	9.2	12	11	8.5
8	10	8.5	8.0	7.4	7.4	6.7	7.0	7.7	9.2	12	11	8.4
9	11	8.6	8.1	7.4	7.5	6.8	6.9	7.2	9.2	12	11	8.4
10	11	8.5	8.0	7.8	7.4	7.0	6.7	7.2	9.4	12	10	8.4
11	11	8.6	8.0	7.9	7.2	7.3	6.7	7.2	9.6	12	10	8.5
12	11	11	8.1	8.0	7.1	7.1	6.7	7.2	9.7	12	10	8.6
13	11	8.6	8.3	8.0	7.0	7.3	6.6	7.2	9.8	11	10	8.6
14	11	8.4	7.8	7.9	7.2	7.8	6.6	7.2	9.6	12	10	8.6
15	11	8.4	7.8	8.4	7.4	8.1	6.8	7.2	8.7	12	11	8.1
16	11	8.4	7.9	8.3	7.2	7.5	6.9	7.2	9.1	12	12	8.1
17	10	8.7	8.2	8.1	7.0	7.6	7.0	7.1	9.2	12	12	8.1
18	10	8.4	7.8	9.1	7.4	7.5	7.1	7.2	9.3	11	11	8.0
19	10	7.2	7.8	8.4	7.1	7.2	6.9	7.0	9.5	11	11	7.9
20	9.8	8.3	8.1	8.1	7.3	7.1	6.9	7.6	9.6	12	12	7.8
21	9.8	7.9	8.0	7.5	7.3	7.1	6.7	8.0	9.6	12	11	7.9
22	9.8	8.0	8.2	8.7	7.2	7.0	6.8	8.3	9.8	11	11	7.8
23	9.8	7.9	8.0	8.4	7.2	7.0	7.0	8.1	9.8	12	11	7.8
24	9.7	7.8	7.9	7.8	7.4	7.0	6.9	8.1	9.9	12	11	7.7
25	9.7	7.5	8.1	8.0	7.2	6.9	6.8	8.1	10	13	11	7.5
26	9.7	7.9	8.0	7.7	7.2	7.2	6.8	8.3	10	13	11	7.5
27	9.6	8.1	7.9	8.3	7.4	6.9	6.7	8.4	10	12	11	7.5
28	9.5	8.2	8.5	7.8	7.1	6.8	6.8	8.7	10	12	11	7.6
29	9.2	8.3	8.8	7.6	------	6.9	6.7	8.7	10	12	10	7.5
30	9.2	8.3	7.5	7.6	------	6.9	7.0	8.8	11	13	9.4	7.6
31	9.2	------	7.7	7.8	------	6.7	------	9.0	------	13	8.2	------
TOTAL	314.0	252.3	248.0	240.5	205.4	226.0	204.6	240.7	283.3	366	343.6	242.7
MEAN	10.1	8.41	8.00	7.76	7.34	7.29	6.82	7.76	9.44	11.8	11.1	8.09
MAX	11	11	8.8	9.1	7.9	9.7	7.1	9.0	11	13	13	8.6
MIN	9.2	7.2	7.5	6.0	7.0	6.7	6.6	7.0	8.3	11	8.2	7.5
AC-FT	623	500	492	477	407	448	406	477	562	726	682	481

CAL YR 1973 TOTAL 3,222.5 MEAN 8.83 MAX 15 MIN 5.0 AC-FT 6,390
WTR YR 1974 TOTAL 3,167.1 MEAN 8.68 MAX 13 MIN 6.0 AC-FT 6,280

Peak discharge (base, 20 cfs).--No peaks above base.

10251980 Lovell Wash near Blue Diamond, Nev.

LOCATION.--Lat 36°00'10", long 115°38'38", in NE¼SW¼ sec.25, T.22 S., R.56 E., Clark County, on right bank 0.2 mi (0.3 km) downstream from county road, 13.7 mi (22.0 km) west of Blue Diamond, and 24 mi (39 km) southeast of Pahrump.

DRAINAGE AREA.--52.8 mi^2 (136.8 km^2).

PERIOD OF RECORD.--Water years 1965-66 (annual maximum), October 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 3,840 ft (1,170 m), approximately (from topographic map). October 1966 to Jan. 25, 1969, flood-hydrograph recorder at site 0.2 mi (0.3 km) upstream at culverts at different datum.

AVERAGE DISCHARGE.--8 years, 0.376 ft^3/s (0.0106 m^3/s), 272 acre-ft/yr (335,000 m^3/yr).

EXTREMES.--Current year: Maximum discharge, 560 cfs (15.9 m^3/s) Aug.4, gage height, 3.56 ft (1.079 m); no flow most of the year.
Period of record: Maximum discharge, 4,150 ft^3/s (118 m^3/s) Jan. 25, 1969, from indirect measurement of peak flow; no flow most of the time.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											0	
2											0	
3											0	
4											7.6	
5											0	
6											0	
7											0	
8											0	
9											0	
10											0	
11											0	
12											0	
13											0	
14											0	
15											0	
16											0	
17											0	
18											0	
19											0	
20											0	
21											0	
22											0	
23											0	
24											0	
25											0	
26											0	
27											0	
28											0	
29					------						0	
30					------						0	
31		------			------		------		------		0	------
TOTAL	0	0	0	0	0	0	0	0	0	0	7.6	0
MEAN	0	0	0	0	0	0	0	0	0	0	.25	0
MAX	0	0	0	0	0	0	0	0	0	0	7.6	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	0	0	15	0

CAL YR 1973 TOTAL 0.00 MEAN .0000 MAX .00 MIN 0 AC-FT .0
WTR YR 1974 TOTAL 7.60 MEAN .021 MAX 7.6 MIN 0 AC-FT 15

10288500 Walker Lake near Hawthorne, Nev.

LOCATION.--Lat 38°35'05", long 118°42'15", in NE¼NE¼ sec.2, T.8 N., R.29 E., Mineral County, 5.5 mi (8.8 km) northwest of Hawthorne.

PERIOD OF RECORD.--August 1928 to current year. Ocasional readings prior to August 1928.

GAGE.--Nonrecording gage. Datum of gage is at mean sea level (U.S. Coast & Geodetic Survey bench mark at U.S. Naval Depot).

EXTREMES.--Period of record: Maximum elevation observed, 4,051.8 ft (1,234.99 m) Mar. 13, 1928 (Indian Service); minimum observed, 3,967.6 ft (1,209.32 m) Aug. 23, 1974.

An elevation of 4,078.0 ft (1,242.97 m), adjustment of 1912, was observed Sept. 27, 1908, by Geological Survey.

REMARKS.--Elevations determined from reference points referred to U.S.C. & G.S. bench mark.

Elevation, in feet, water year October 1973 to September 1974

Oct.	15	3,968.1	Apr.	17	3,968.2
Nov.	21	3,968.1	May	13	3,968.1
Dec.	12	3,968.2	June	21	3,968.2
Jan.	30	3,968.1	July	23	3,967.9
Mar.	19	3,968.2	Aug.	23	3,967.6

Area table (elevation, in feet, and area, in thousands of acres)

4,080	67.8	4,020	50.7	3,960	36.1	3,900	25.1
4,075	66.4	4,015	49.2	3,955	35.2	3,895	23.7
4,070	65.0	4,010	47.8	3,950	34.3	3,890	22.2
4,065	63.6	4,005	46.4	3,945	33.4	3,885	20.7
4,060	62.3	4,000	45.2	3,940	32.7	3,880	19.1
4,055	60.9	3,995	43.8	3,935	31.9	3,875	17.3
4,050	59.5	3,990	42.5	3,930	31.0	3,870	15.3
4,045	58.1	3,985	41.3	3,925	30.2	3,865	12.6
4,040	56.6	3,980	40.2	3,920	29.2	3,860	9.2
4,035	55.1	3,975	39.2	3,915	28.2	3,855	2.5
4,030	53.6	3,970	38.1	3,910	27.2	3,850.2	0
4,025	52.1	3,965	37.1	3,905	26.2		

Volume table (elevation, in feet and volume, in thousands of acre-feet)

4,080	8,790	4,020	5,200	3,960	2,620	3,900	730
4,075	8,460	4,015	4,950	3,955	2,440	3,895	610
4,070	8,140	4,010	4,700	3,950	2,270	3,890	490
4,065	7,820	4,005	4,460	3,945	2,100	3,885	390
4,060	7,500	4,000	4,240	3,940	1,920	3,880	290
4,055	7,200	3,995	4,020	3,935	1,740	3,875	220
4,050	6,900	3,990	3,790	3,930	1,590	3,870	140
4,045	6,600	3,985	3,590	3,925	1,440	3,865	80
4,040	6,300	3,980	3,390	3,920	1,290	3,860	30
4,035	6,000	3,975	3,190	3,915	1,140	3,855	3
4,030	5,730	3,970	2,990	3,910	990	3,850.2	0
4,025	5,460	3,965	2,800	3,905	860		

NOTE.--Based on bathymetric survey, Hydrologic Atlas 415 (Rush, 1970).

10289000 Virginia Creek near Bridgeport, Calif.

LOCATION.--Lat 38°11'30", long 119°12'30", near center of W½ sec.22, T.4 N., R.25 E., Mono County, on right bank 1.2 mi (1.9 km) downstream from Clearwater Creek, 3 mi (5 km) upstream from mouth, and 4.2 mi (6.8 km) southeast of Bridgeport.

DRAINAGE AREA.--63.6 mi^2 (164.7 km^2).

PERIOD OF RECORD.--October 1953 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,700 ft (2,042 m), from topographic map.

AVERAGE DISCHARGE.--21 years, 16.5 ft^3/s (0.467 m^3/s), 11,950 acre-ft/yr (14.7 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 146 ft^3/s (4.13 m^3/s) Aug. 5, gage height, 4.51 ft (1.375 m), from peak-stage indicator; minimum, 3.4 ft^3/s (0.096 m^3/s) Nov. 4.

Period of record: Maximum discharge, 1,300 ft^3/s (36.8 m^3/s) Dec. 23, 1955, gage height, 8.40 ft (2.560 m), from rating curve extended above 170 ft^3/s (4.81 m^3/s) on basis of slope-area measurement of peak flow; minimum, 1.0 ft^3/s (0.028 m^3/s) Aug. 18, 1960, July 28, 1961.

REMARKS.--Records good except those for winter periods, which are fair. Flow partly regulated by Virginia Lakes and other lakes near headwaters. Diversions for irrigation of about 3,000 acres (12.1 km^2) above station.

REVISIONS.--WSP 1927: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	13	13	14	14	14	22	21	42	33	21	11
2	9.2	12	10	10	13	15	20	21	43	31	18	11
3	9.3	10	10	11	13	13	18	24	40	31	16	11
4	9.5	9.4	11	12	13	13	17	25	41	30	17	11
5	9.8	12	11	12	13	15	20	24	41	31	27	10
6	9.8	13	12	13	13	17	23	27	46	30	18	9.9
7	10	13	15	13	13	16	24	30	52	28	15	12
8	11	12	13	13	13	15	27	36	50	28	14	11
9	10	12	12	13	12	14	23	40	44	27	12	11
10	9.9	16	12	10	12	14	19	41	43	29	12	11
11	10	34	13	11	12	15	21	40	43	24	12	11
12	10	49	15	14	12	16	25	42	47	22	10	11
13	10	22	15	14	12	17	24	38	46	19	9.0	11
14	9.9	18	15	13	12	23	25	37	44	19	9.9	11
15	9.8	18	15	18	12	26	28	35	44	19	10	11
16	9.8	17	15	24	12	22	29	33	43	19	9.9	11
17	9.8	17	15	26	12	20	31	30	40	18	9.4	11
18	9.8	16	13	29	12	22	27	29	36	16	8.2	10
19	9.8	17	15	32	13	20	21	32	34	16	7.7	10
20	9.8	17	15	23	13	20	22	27	30	13	8.2	10
21	10	14	14	18	12	19	23	23	29	14	8.9	10
22	10	15	14	16	12	19	26	21	32	16	9.5	10
23	13	14	15	18	12	20	22	23	34	18	9.5	10
24	13	14	14	16	12	21	21	25	34	20	9.4	10
25	13	13	15	16	12	21	18	28	31	27	9.7	10
26	13	12	14	13	12	20	18	35	28	22	12	10
27	13	15	14	12	12	21	17	44	28	19	12	10
28	13	14	16	14	12	22	18	52	29	16	12	8.4
29	12	15	21	14	------	23	18	49	30	16	12	7.9
30	12	15	19	13	------	24	19	44	31	18	12	8.4
31	13	------	15	14	------	20	------	41	------	25	11	------
TOTAL	331.3	488.4	436	489	347	577	666	1,017	1,155	694	382.3	310.6
MEAN	10.7	16.3	14.1	15.8	12.4	18.6	22.2	32.8	38.5	22.4	12.3	10.4
MAX	13	49	21	32	14	26	31	52	52	33	27	12
MIN	9.1	9.4	10	10	12	13	17	21	28	13	7.7	7.9
AC-FT	657	969	865	970	688	1,140	1,320	2,020	2,290	1,380	758	616

CAL YR 1973 TOTAL 6,824.9 MEAN 18.7 MAX 80 MIN 7.0 AC-FT 13,540
WTR YR 1974 TOTAL 6,893.6 MEAN 18.9 MAX 52 MIN 7.7 AC-FT 13,670

PEAK DISCHARGE (BASE, 30 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-12	0100	3.75	72	06-07	1200	3.63	56
05-28	0600	3.57	54	08-05	1500	4.51*	146

* Gage height taken from PSI.

10289500 Green Creek near Bridgeport, Calif.

LOCATION.--Lat 38°10'25", long 119°14'00", in NE¼SE¼ sec.29, T.4 N., R.25 E., Mono County, on right bank 130 ft (39.6 m) downstream from county road bridge, 0.1 mi (0.2 km) upstream from diversion to Summers Creek, and 5.5 mi (8.8 km) south of Bridgeport.

DRAINAGE AREA.--19.5 mi^2 (50.5 km^2).

PERIOD OF RECORD.--October 1953 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,850 ft (2,088 m),from topographic map.

AVERAGE DISCHARGE.--21 years, 29.0 ft^3/s (0.821 m^3/s), 21,010 acre-ft/yr (25.9 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 186 ft^3/s (5.27 m^3/s) June 12, gage height, 2.81 ft (0.856 m); maximum gage height, 3.50 ft (1.067 m) Dec. 4 (backwater from ice); minimum discharge, 3.9 ft^3/s (0.11 m^3/s) Nov. 3.

Period of record: Maximum discharge, 351 ft^3/s (9.94 m^3/s) July 4, 1967, gage height, 3.26 ft (0.994 m); maximum gage height, 4.09 ft (1.247 m) Feb. 25, 1962 (backwater from ice); minimum discharge, 1.4 ft^3/s (0.040 m^3/s) Apr. 4, 1964.

REMARKS.--Records good except those for winter periods, which are fair. Flow regulated by West, Green, East, Summit, and other lakes.

REVISIONS.--WSP 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	8.9	14	13	13	9.8	16	36	107	118	59	16
2	6.9	8.4	11	10	12	11	15	39	110	120	54	16
3	6.6	6.5	9.0	11	12	9.0	16	47	107	112	51	16
4	6.6	7.9	9.5	11	12	8.5	17	48	115	107	49	15
5	6.6	8.2	10	11	12	9.5	18	44	118	109	48	15
6	6.6	8.4	11	12	11	12	18	51	136	106	46	15
7	6.3	10	15	12	10	13	19	57	162	97	45	14
8	7.2	10	13	13	9.0	14	20	68	169	90	42	14
9	6.9	10	12	11	9.0	13	20	78	158	84	40	13
10	6.6	14	11	10	9.0	13	18	81	160	85	38	13
11	6.6	36	13	11	9.0	12	18	80	165	75	35	13
12	6.8	67	12	13	9.5	12	20	88	171	63	33	13
13	7.0	33	13	13	8.0	11	20	92	167	57	31	12
14	7.5	25	13	13	9.0	11	22	82	163	59	29	12
15	8.0	27	12	14	9.9	12	24	81	166	63	27	11
16	8.3	23	14	16	9.9	13	26	72	151	65	25	11
17	8.2	21	13	17	9.5	12	28	61	130	64	25	11
18	8.0	19	11	19	9.5	13	30	54	117	61	24	11
19	8.1	24	11	23	10	12	26	52	110	60	23	10
20	8.4	22	13	28	8.0	11	26	45	105	59	22	10
21	8.1	21	12	23	9.0	12	25	42	104	59	21	9.8
22	8.0	23	12	15	10	12	29	42	111	61	20	9.8
23	11	18	13	15	9.0	12	31	43	124	63	19	9.9
24	11	18	13	15	9.5	14	29	47	123	63	19	9.8
25	11	17	13	16	10	14	26	57	115	65	18	9.8
26	10	16	13	15	9.7	14	25	75	109	69	18	10
27	9.6	16	12	12	9.3	15	24	100	102	65	18	10
28	9.6	17	12	13	9.5	15	24	118	101	61	17	10
29	9.1	16	15	13	------	16	25	133	105	60	17	10
30	8.9	15	15	14	------	16	28	117	111	58	17	10
31	9.0	------	14	13	------	16	------	107	------	62	16	------
TOTAL	249.4	566.3	384.5	445	277.3	387.8	683	2,137	3,892	2,340	946	360.1
MEAN	8.05	18.9	12.4	14.4	9.90	12.5	22.8	68.9	130	75.5	30.5	12.0
MAX	11	67	15	28	13	16	31	133	171	120	59	16
MIN	6.3	6.5	9.0	10	8.0	8.5	15	36	101	57	16	9.8
AC-FT	495	1,120	763	883	550	769	1,350	4,240	7,720	4,640	1,880	714

CAL YR 1973 TOTAL 11,619.3 MEAN 31.8 MAX 166 MIN 5.2 AC-FT 23,050
WTR YR 1974 TOTAL 12,668.4 MEAN 34.7 MAX 171 MIN 6.3 AC-FT 25,130

10290300 Upper Twin Lake near Bridgeport, Calif.

LOCATION.--Lat 38°09'15", long 119°20'58", in NW¼NE¼ sec.5, T.3 N., R.24 E., Mono County, at outlet of upper lake dam on Robinson Creek and 10 mi (16 km) southwest of Bridgeport.

DRAINAGE AREA.--29.5 mi^2 (76.4 km^2).

PERIOD OF RECORD.--December 1961 to February 1964, September 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (project datum of U.S. Indian Irrigation Service).

EXTREMES.--Current year: Maximum contents, 2,700 acre-ft (3.33 hm^3) June 14, elevation, 7,208.98 ft (2,197.297 m); minimum, 311 acre-ft (383,000 m^3) Sept. 30, elevation, 7,201.11 ft (2,194.898 m).

Period of record: Maximum contents observed, 2,900 acre-ft (3.58 hm^3) June 22, July 5, 6, 1967, elevation, 7,209.58 ft (2,197.480 m); minimum observed, 62 acre-ft (76,400 m^3) Oct. 31, Nov. 1, 1964, elevation, 7,200.22 ft (2,194.627 m).

No contents Oct. 17, 1961.

REMARKS.--Contents regulated by dam at outlet. Figures given herein represent usable contents. Usable contents, 2,070 acre-ft (2.55 hm^3) between elevations 7,200 (2,194.6 m) natural rim, and 7,207 ft (2,196.7 m), spillway crest.

ELEVATIONS AND CONTENTS, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	7,202.15	512	---
Oct. 31	7,202.50	700	+98
Nov. 30	7,207.30	2,170	+1,470
Dec. 31	7,207.25	2,150	-20
Calendar year 1973	—	—	+30
Jan. 31	7,207.24	2,150	0
Feb. 28	7,207.18	2,130	-20
Mar. 31	7,207.18	2,130	0
Apr. 30	7,207.43	2,210	+80
May 31	7,208.53	2,560	+350
June 30	7,208.54	2,560	0
July 31	7,208.10	2,420	-140
Aug. 31	7,207.45	2,210	-210
Sept. 30	7,201.11	311	-1,899
Water year 1973-74	—	—	-291

10290400 Lower Twin Lake near Bridgeport, Calif.

LOCATION.--Lat 38°10'05", long 119°19'33", in NE¼NE¼, sec.33, T.4 N., R.24 E., Mono County, at outlet of lower lake dam on Robinson Creek and 8 mi (13 km) southwest of Bridgeport.

DRAINAGE AREA.--38.9 mi^2 (100.8 km^2).

PERIOD OF RECORD.—December 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (project datum of U.S. Indian Irrigation Service).

EXTREMES.--Current year: Maximum contents, 5,160 acre-ft (6.36 hm^3) June 19, elevation, 7,202.67 ft (2,195.374 m); minimum observed, 872 acre-ft (1.08 hm^3) Oct. 2, elevation, 7,192.18 ft (2,192.176 m).

Period of record: Maximum contents, 5,490 acre-ft (6.77 hm^3) June 6, 1969, elevation, 7,203.51 ft (2,195.630 m) no contents Nov. 17, 1966.

REMARKS.—Contents regulated by dam at outlet and by Upper Twin Lake. Figures given herein represent usable contents. Usable contents, 4,010 acre-ft (4.94 hm^3) between elevations 7,190 ft (2,192 m) natural rim, and 7,200 ft (2,195 m), spillway crest. One transarea diversion out of Tamarack Creek into Summers Creek.

ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	7,192.35	940	---
Oct. 31	7,192.90	1,160	+220
Nov. 30	7,194.98	1,990	+830
Dec. 31	7,198.55	3,420	+1,430
Calendar year 1973	—	—	+2,420
Jan. 31	7,200.68	4,300	+880
Feb. 28	7,200.53	4,230	-70
Mar. 31	7,200.63	4,280	+50
Apr. 30	7,197.73	3,090	-1,190
May 31	7,201.13	4,490	+1,400
June 30	7,202.50	5,080	+590
July 31	7,201.96	4,840	-240
Aug. 31	7,197.31	2,920	-1,920
Sept. 30	7,193.96	1,580	-1,340
Water year 1973-74	—	—	+640

10290500 Robinson Creek at Twin Lakes outlet, near Bridgeport, Calif.

LOCATION.--Lat 38°10'20", long 119°19'25", in SE¼SE¼ sec.28, T.4 N., R.24 E., Mono County, on left bank 0.2 mi (0.3 km) downstream from Twin Lakes and 8 mi (13 km) southwest of Bridgeport.

DRAINAGE AREA.--39.1 mi² (101.3 km²).

PERIOD OF RECORD.--October 1953 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,050 ft (2,149 m), from topographic map.

AVERAGE DISCHARGE.--21 years, 59.8 ft³/s (1.694 m³/s), 43,330 acre-ft/yr (53.4 hm³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 320 ft³/s (9.062 m³/s) June 14, 15, gage height, 3.87 ft (1.180 m); minimum daily, 0.82 ft³/s (0.023 m³/s) Dec. 23.

Period of record: Maximum discharge, 492 ft³/s (13.9 m³/s) June 20, 1963; maximum gage height, 4.62 ft (1.408 m) June 6, 1969; no flow for many days in some years.

Maximum discharge known, 660 ft³/s (18.7 m³/s) June 21, 1911, gage height, 5.2 ft (1.58 m), at site 2.5 mi (4.0 km) downstream.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Flow regulated by Twin Lakes (see preceding page).

REVISIONS.--WSP 1927: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	15	10	1.0	26	24	30	84	223	223	146	94
2	28	15	10	1.0	27	30	30	83	231	230	139	92
3	29	14	10	1.0	27	33	28	90	225	230	133	90
4	25	13	10	1.0	26	32	26	102	226	222	127	88
5	16	12	11	1.4	25	30	27	102	248	217	126	85
6	16	12	11	1.4	24	28	26	102	228	200	128	83
7	16	11	9.0	1.4	24	26	25	102	258	190	124	81
8	16	11	6.8	1.4	23	26	25	102	259	180	119	78
9	16	11	7.2	1.4	23	25	26	102	241	160	113	77
10	16	11	7.4	2.0	23	23	26	105	256	190	107	75
11	15	12	6.7	5.0	22	22	25	108	279	220	100	75
12	15	12	6.0	9.5	19	22	36	111	296	190	105	77
13	14	12	4.9	12	22	21	42	111	307	170	103	96
14	14	12	4.4	14	21	20	41	113	315	160	101	98
15	14	12	4.4	13	21	20	60	114	317	145	114	99
16	14	12	4.4	21	17	20	61	117	314	130	99	100
17	14	12	2.8	29	21	20	69	121	297	130	89	101
18	14	13	1.2	33	19	20	76	121	277	130	104	101
19	14	13	1.2	39	17	20	75	121	255	130	109	101
20	14	13	1.2	41	21	20	74	122	237	130	100	100
21	14	14	1.2	44	20	21	74	117	225	125	103	99
22	14	14	1.1	42	20	21	73	116	223	125	112	97
23	14	15	.82	40	19	21	72	116	232	125	110	95
24	14	13	.86	38	18	21	75	115	240	130	111	93
25	14	12	1.0	36	18	22	76	114	239	150	111	90
26	14	10	1.1	34	17	23	84	117	231	165	108	87
27	14	10	.99	32	20	24	90	118	221	165	106	84
28	14	10	1.1	31	16	27	89	123	213	160	103	80
29	14	10	1.1	30	------	30	86	141	212	154	102	78
30	14	10	.98	30	------	30	85	180	215	150	99	75
31	14	------	1.0	29	------	28	------	207	------	148	96	------
TOTAL	502	366	140.85	615.5	596	750	1,632	3,597	7,540	5,174	3,447	2,669
MEAN	16.2	12.2	4.54	19.9	21.3	24.2	54.4	116	251	167	111	89.0
MAX	29	15	11	44	27	33	90	207	317	230	146	101
MIN	14	10	.82	1.0	16	20	25	83	212	125	89	75
AC-FT	996	726	279	1,220	1,180	1,490	3,240	7,130	14,960	10,260	6,840	5,290

CAL YR 1973 TOTAL 23,585.95 MEAN 64.6 MAX 314 MIN .82 AC-FT 46,780
WTR YR 1974 TOTAL 27,029.35 MEAN 74.1 MAX 317 MIN .82 AC-FT 53,610

NOTE.--No gage-height record June 19 to July 25.

10291500 Buckeye Creek near Bridgeport, Calif.

LOCATION.--Lat 38°14'20", long 119°19'30", in NE¼NE¼ sec.4, T.4 N., R.24 E., Mono County, on right bank at Buckeye Hot Springs, 0.6 mi (1.0 km) downstream from Eagle Creek, and 5.5 mi (8.8 km) southwest of Bridgeport.

DRAINAGE AREA.--44.1 mi^2 (114.2 km^2).

PERIOD OF RECORD.--November 1910 to September 1914 (fragmentary), October 1953 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,900 ft (2,103 m), from topographic map. November 1910 to September 1914, nonrecording gage at site 0.5 mi (0.8 km) downstream at different datum.

AVERAGE DISCHARGE.--22 years (1911-12, 1953-74), 59.8 ft^3/s (1.694 m^3/s), 43,330 acre-ft/yr (53.4 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 384 ft^3/s (10.9 m^3/s) June 12, gage height, 3.36 ft (1.024 m); minimum, 9.9 ft^3/s (0.28 m^3/s) Dec. 1, result of freeze-up.

Period of record: Maximum discharge, 947 ft^3/s (26.8 m^3/s) Feb. 1, 1963, gage height, 4.41 ft (1.344 m), from rating curve extended above 360 ft^3/s (10.2 m^3/s) on basis of slope-area measurement at gage height 4.00 ft (1.219 m) and logarithmic plotting; minimum, 3.3 ft^3/s (0.094 m^3/s) Dec. 12, 1959, result of freeze-up.

Flood of June 21, 1911, reached an observed stage of 4.8 ft (1.46 m), discharge not determined, site and datum then in use.

REMARKS.--Records excellent except those for winter periods, which are poor. No regulation or diversion above station.

REVISIONS.--WSP 1927: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	20	27	31	29	25	34	84	259	212	104	39
2	21	19	25	28	28	23	33	92	262	201	101	38
3	21	18	25	27	29	23	32	115	265	182	99	38
4	21	17	26	26	29	22	32	121	274	178	100	37
5	21	22	28	26	30	24	34	123	285	175	110	37
6	21	24	28	28	38	26	34	148	324	162	102	36
7	22	24	29	30	30	25	36	176	325	153	95	36
8	24	25	30	30	28	24	39	209	286	147	85	35
9	23	23	28	28	26	23	39	226	276	153	78	34
10	22	47	27	25	26	23	36	223	297	186	75	34
11	22	193	29	26	26	23	37	218	317	128	70	33
12	22	165	32	27	26	24	41	225	339	112	67	33
13	22	67	31	28	25	24	43	208	334	109	64	33
14	22	53	31	28	25	27	46	193	339	106	61	32
15	21	46	30	42	26	29	52	201	326	107	57	31
16	21	43	30	43	25	30	59	182	302	108	55	31
17	21	41	30	41	24	30	67	154	267	108	53	30
18	20	38	30	47	24	30	72	136	250	121	51	29
19	20	39	28	57	25	29	62	120	238	115	50	29
20	22	40	28	44	23	30	58	107	220	111	49	28
21	21	40	29	37	24	31	58	104	228	110	47	28
22	21	40	30	35	24	32	68	115	246	110	47	28
23	26	43	30	36	23	33	74	140	252	110	46	27
24	23	35	29	37	23	35	65	164	233	106	46	27
25	24	42	29	39	24	37	58	211	218	114	45	27
26	23	35	29	33	24	36	55	250	207	109	44	27
27	22	37	28	32	23	36	54	291	198	109	43	26
28	22	32	31	32	24	37	54	308	196	101	43	26
29	21	32	44	32	------	37	57	295	202	98	42	26
30	20	32	35	30	------	37	67	255	208	99	42	26
31	21	------	37	30	------	35	------	256	------	107	40	------
TOTAL	674	1,332	923	1,035	731	900	1,496	5,653	7,972	4,047	2,011	941
MEAN	21.7	44.4	29.8	33.4	26.1	29.0	49.9	182	266	131	64.9	31.4
MAX	26	193	44	57	38	37	74	308	339	212	110	39
MIN	20	17	25	25	23	22	32	84	196	98	40	26
AC-FT	1,340	2,640	1,830	2,050	1,450	1,790	2,970	11,210	15,810	8,030	3,990	1,870

CAL YR 1973 TOTAL 22,828 MEAN 62.5 MAX 334 MIN 13 AC-FT 45,280
WTR YR 1974 TOTAL 27,715 MEAN 75.9 MAX 339 MIN 17 AC-FT 54,970

PEAK DISCHARGE (BASE, 100 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-12	0200	3.14	298	06-23	0100	3.16	305
05-10	0100	3.04	256	07-10	0200	2.94	221
06-12	0200	3.36	384				

10292000 Swauger Creek near Bridgeport, Calif.

LOCATION.--Lat 38°17'00", long 119°17'50", in SE¼NW¼ sec.23, T.5 N., R.24 E., Mono County, on right bank 0.8 mi (1.3 km) downstream from Yaney Canyon and 4 mi (6 km) northwest of Bridgeport.

DRAINAGE AREA.--52.8 mi^2 (136.8 km^2).

PERIOD OF RECORD.--June 1911 to September 1915 (fragmentary), October 1953 to current year. Prior to Oct. 1, 1971, published as Swager Creek near Bridgeport.

GAGE.--Water-stage recorder. Altitude of gage is 6,620 ft (2,018 m), from topographic map. June 1911 to September 1915, nonrecording gages at approximately same site at different datums.

AVERAGE DISCHARGE.--22 years (1911-12, 1953-74), 12.5 ft^3/s (0.354 m^3/s), 9,060 acre-ft/yr (11.2 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 58 ft^3/s (1.64 m^3/s) Jan. 18, gage height. 2.62 ft (0.799 m); maximum gage height, 2.70 ft (0.823 m) Jan. 3 (backwater from ice); minimum discharge, 3.3 ft^3/s (0.093 m^3/s) Aug. 25.

Period of record: Maximum discharge, 585 ft^3/s (16.6 m^3/s) Dec. 23, 1955, gage height, 6.24 ft (1.902 m) from rating curve extended above 175 ft^3/s (4.96 m^3/s) on basis of slope-area measurement of peak flow; minimum observed, 0.50 ft^3/s (0.014 m^3/s) Apr. 20, 1912, Feb. 28, 1969.

REMARKS.--Records excellent except those for winter periods, which are poor. Diversions for irrigation of about 1,000 acres (4.0 km^2) above station.

REVISIONS.--WSP 1927: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	8.5	6.9	9.0	10	13	22	28	28	8.0	7.1	5.6
2	6.9	8.4	6.0	6.0	11	12	17	28	29	6.9	6.4	5.4
3	7.3	7.8	7.0	6.5	11	11	14	30	29	6.7	7.2	5.4
4	7.2	7.5	8.0	6.5	11	10	15	29	27	7.1	7.7	6.1
5	7.2	8.8	9.0	6.5	11	12	17	29	28	7.2	20	7.1
6	7.1	8.9	9.5	8.0	11	13	18	29	28	5.8	14	7.1
7	7.7	8.7	10	10	11	12	19	29	26	5.6	10	7.0
8	8.1	8.4	9.0	9.0	11	12	20	33	19	5.9	6.1	7.0
9	7.7	8.7	9.0	7.0	11	13	21	36	19	7.7	5.6	6.8
10	7.4	10	14	6.0	11	14	18	34	19	9.5	4.7	6.7
11	7.7	13	9.8	7.0	11	18	18	34	17	7.5	4.6	6.6
12	7.7	23	11	10	11	18	21	34	16	5.5	5.8	7.1
13	7.4	12	11	9.9	10	17	21	34	15	6.1	8.4	6.8
14	7.5	11	10	10	11	19	23	33	15	5.7	8.4	6.4
15	7.3	11	10	15	11	20	26	32	13	5.4	8.2	6.6
16	7.4	11	10	21	11	20	29	31	14	6.2	7.9	6.6
17	7.4	11	11	26	10	18	34	30	14	5.6	7.7	6.5
18	7.4	9.1	9.1	31	11	18	33	31	12	5.1	7.6	6.4
19	7.5	9.8	9.0	25	11	17	27	33	10	5.1	6.9	6.3
20	7.7	10	10	19	9.0	15	26	29	9.7	4.6	5.8	6.4
21	7.5	9.8	11	16	10	12	28	27	10	5.3	5.2	6.3
22	7.8	9.1	10	13	10	14	33	26	9.5	5.4	6.6	6.5
23	9.5	9.7	10	15	9.8	16	31	27	9.2	5.6	7.5	7.0
24	9.1	9.9	9.9	14	9.8	17	27	27	9.0	7.1	6.9	7.1
25	9.2	9.6	10	14	10	18	24	27	9.0	5.4	5.1	7.2
26	9.4	10	10	12	10	19	23	28	8.2	5.8	3.8	7.2
27	9.2	10	11	11	10	19	22	30	8.7	5.3	4.5	7.2
28	8.9	10	13	13	10	20	24	31	7.1	5.5	4.7	7.3
29	8.6	10	21	12	------	21	24	29	7.4	4.8	4.7	7.3
30	8.7	11	14	13	------	22	27	28	7.6	6.2	5.3	7.2
31	8.6	------	11	13	------	19	------	28	------	8.8	5.7	------
TOTAL	244.5	305.7	320.2	394.4	294.6	499	702	934	473.4	192.4	220.1	200.2
MEAN	7.89	10.2	10.3	12.7	10.5	16.1	23.4	30.1	15.8	6.21	7.10	6.67
MAX	9.5	23	21	31	11	22	34	36	29	9.5	20	7.3
MIN	6.4	7.5	6.0	6.0	9.0	10	14	26	7.1	4.6	3.8	5.4
AC-FT	485	606	635	782	584	990	1,390	1,850	939	382	437	397

CAL YR 1973 TOTAL 5,280.7 MEAN 14.5 MAX 70 MIN 3.3 AC-FT 10,470
WTR YR 1974 TOTAL 4,780.5 MEAN 13.1 MAX 36 MIN 3.8 AC-FT 9,480

PEAK DISCHARGE (BASE, 25 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-12	0700	2.39	40	04-22	2100	2.51	46
12-29	1600	2.23	29	05-09	1500	2.40	36
01-18	1800	2.62	58	08-05	1700	2.49	47
03-11	1700	2.27	30				

10292500 Bridgeport Reservoir near Bridgeport, Calif.

LOCATION.--Lat 38°19'30", long 119°12'40", in SE¼NE¼ sec.34, T.6 N., R.25 E., Mono County, at Bridgeport Dam on East Walker River, 4.5 mi (7.2 km) north of Bridgeport.

DRAINAGE AREA.--358 mi^2 (927 km^2).

PERIOD OF RECORD.--March 1926 to current year. Month-end contents only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (project datum).

EXTREMES.--Current year: Maximum contents, 44,880 acre-ft (55.3 hm^3) June 16, elevation, 6,460.78 ft (1,969.246 m); minimum, 11,760 acre-ft (14.5 hm^3) Oct. 3-4, elevation, 6,445.31 ft (1,964.530 m).

Period of record: Maximum contents, 44,880 acre-ft (55.3 hm3) June 16, 1974, elevation, 6,460.78 ft (1,969.246 m); no contents during fall of 1929, 1930, 1960.

REMARKS.--Reservoir is formed by earth-fill, rock-faced dam. Storage began Dec.8, 1923. Dam completed in November 1924. Capacity, 42,460 acre-ft (52.4 hm^3) between elevations 6,415 (1,955.3m), approximate elevation of bottom of reservoir, and 6,461 ft (1,969.3 m), crest of spillway is at elevation 6,460.75 ft (1,969.237 m), however, there are four siphons that became operative prior to reaching this spillway. Elevation of sill of outlet gate, 6,412 ft (1,954.4 m). No dead storage. Figures given herein represent total contents. Water is used for irrigation by Walker River Irrigation District.

REVISIONS (WATER YEARS).--WSP 1180: 1949. WSP 1927: Drainage area.

Capacity Table, (elevation, in feet, and contents, in acre-feet)

6,445	11,380	6,453	24,660
6,447	13,990	6,456	31,570
6,450	18,780	6,461	45,490

CONTENTS. IN ACRE-FEET. AT 2400. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.880	13.310	21.400	28.010	37.180	41.580	42.310	36.100	37.040	43.370	41.440	27.090
2	11.820	13.580	21.500	28.240	37.460	41.880	42.170	35.830	37.320	43.520	41.440	26.310
3	11.760	13.660	21.700	28.360	37.590	42.020	42.170	35.570	37.870	43.670	41.440	25.650
4	11.820	13.750	21.890	28.470	37.570	42.310	42.020	35.440	38.290	43.670	41.440	24.990
5	11.920	13.850	22.090	28.580	37.870	42.610	41.880	35.300	38.710	43.820	41.730	24.550
6	11.820	13.920	22.290	28.820	38.150	42.920	41.730	35.170	39.400	43.820	41.880	23.720
7	11.820	14.060	22.580	28.930	38.290	43.070	41.730	35.040	39.980	43.820	41.580	23.200
8	11.880	14.140	22.680	28.930	38.570	43.070	41.440	34.900	40.560	43.820	41.290	22.680
9	11.940	14.210	22.890	29.280	38.010	43.070	41.150	34.900	41.150	43.670	41.000	22.150
10	12.000	14.510	23.100	29.520	38.840	43.070	41.000	35.040	41.580	43.520	40.710	21.700
11	12.130	14.880	23.310	29.760	38.980	42.920	40.850	35.040	42.170	43.370	40.270	21.210
12	12.260	15.400	23.410	29.880	39.120	42.920	40.710	35.040	42.760	43.220	39.980	20.820
13	12.380	16.580	23.720	30.000	39.400	42.920	40.560	35.300	43.370	43.220	39.540	20.440
14	12.500	16.900	23.830	30.360	39.540	42.760	40.270	35.440	44.130	42.920	39.120	20.250
15	12.630	17.140	23.930	31.210	39.830	42.610	40.120	35.440	44.430	42.610	38.710	20.070
16	12.700	17.490	24.140	31.820	39.830	42.610	39.980	35.440	44.430	42.310	38.150	19.980
17	12.700	17.830	24.350	32.590	39.980	42.460	39.690	35.300	44.280	42.020	37.730	19.880
18	12.700	18.260	24.560	33.090	40.120	42.460	39.400	35.300	44.130	41.880	37.040	19.800
19	12.700	18.440	24.770	33.600	40.120	42.310	39.120	35.300	43.980	41.580	36.630	19.700
20	12.630	18.690	24.880	33.980	40.270	42.310	38.980	35.300	43.820	41.440	35.960	19.610
21	12.500	19.150	25.100	34.240	40.270	42.310	38.710	35.300	43.820	41.290	35.440	19.520
22	12.570	19.420	25.430	34.510	40.270	42.460	38.430	35.170	43.820	41.150	34.900	19.420
23	12.500	19.700	25.430	34.900	40.420	42.460	38.150	35.170	43.820	41.000	34.380	19.420
24	12.500	19.800	25.760	35.170	40.560	42.460	38.010	35.170	43.820	40.850	33.730	19.330
25	12.500	20.070	25.870	35.440	40.710	42.460	37.730	35.300	43.670	41.150	33.350	19.240
26	12.500	20.250	26.200	35.700	40.850	42.610	37.460	35.440	43.670	41.440	32.460	19.060
27	12.570	20.440	26.420	35.960	41.000	42.460	37.180	35.700	43.670	41.290	31.570	18.960
28	12.770	20.720	26.750	36.230	41.150	42.460	37.040	35.960	43.520	41.290	31.240	18.870
29	12.900	20.920	27.440	36.500	------	42.460	36.760	36.360	43.370	41.150	29.400	18.690
30	13.040	21.210	27.780	36.630	------	42.460	36.500	36.630	43.370	41.150	28.580	18.610
31	13.120	------	27.900	37.040	------	42.310	------	36.760	------	41.290	27.780	------
MAX	13.120	21.210	27.900	37.040	41.150	43.070	42.310	36.760	44.430	43.820	41.880	27.090
MIN	11.760	13.310	21.400	28.010	37.180	41.580	36.500	34.900	37.040	40.850	27.780	18.610
(†)	6,446.38	6,451.30	6,454.47	6,458.09	6,459.55	6,459.96	6,457.89	6,458.00	6,460.30	6,459.60	6,454.42	6,449.91
(‡)	+1,180	+8,090	+6,690	+9,140	+4,110	+1,160	-5,810	+260	+6,610	-2,080	-13,510	-9,170

CAL YR 1973 MAX 44,130 MIN 11,760 ‡ +9,980
WTR YR 1974 MAX 44,430 MIN 11,760 ‡ +6,670

† ELEVATION, IN FEET, AT END OF MONTH.
‡ CHANGE IN CONTENTS, IN ACRE-FEET.

10293000 East Walker River near Bridgeport, Calif.

LOCATION.--Lat 38°19'40", long 119°12'50", in SW¼NE¼ sec.34, T.6 N., R.25 E., Mono County, on right bank 1,500 ft (457 m) downstream from Bridgeport Reservoir, 5 mi (8 km) north of Bridgeport, and 10 mi (16 km) upstream from Sweetwater Creek.

DRAINAGE AREA.--359 mi^2 (930 km^2).

PERIOD OF RECORD.--July 1911 to September 1914 (gage heights only), October 1921 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,400 ft (1,951 m) from topographic map. Prior to Oct. 1, 1921, nonrecording gage at site 0.5 mi (0.8 km) upstream at different datum. Oct. 1, 1921, to Feb. 21, 1924, water-stage recorder at site 1 mi (2 km) downstream at different datum. Feb. 22, 1924, to Sept. 30, 1931, water-stage recorder, and Oct. 1, 1931, to May 25, 1939, nonrecording gage at present site at datum 2.34 ft (0.713 m) lower.

AVERAGE DISCHARGE.--51 years (1922-24, 1925-74), 138 ft3/s (3.908 m^3/s), 99,980 acre-ft/yr (123 hm^3/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 728 ft^3/s (20.6 m^3/s) June 16, gage height, 3.32 ft (1.012 m); minimum daily, 14 ft^3/s (0.396 m^3/s) Oct. 28 to Nov. 10.

Period of record: Maximum discharge, 1,390 ft^3/s (39.4 m^3/s) June 19, 1963, gage height, 4.64 ft (1.414 m) maximum gage height, 4.95 ft (1.509 m) Jan. 22, 1943 (top of surge); minimum daily discharge, 0.2 ft^3/s (0.006 m^3/s) Nov. 2-29, Dec. 1-22, 25-28, 1955, Jan. 17-25, 1956.

REMARKS.--Records good. Diversions for irrigation of meadow pasture lands near Bridgeport. Flow regulated by Bridgeport Reservoir. Water-quality records for the current year are published in Part 2 of this report.

REVISIONS.--WSP 1927: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	14	16	17	16	32	109	250	316	336	285	470
2	110	14	16	17	17	32	131	267	316	323	285	450
3	84	14	16	17	17	32	144	245	316	356	288	423
4	75	14	16	17	17	32	144	254	316	360	288	442
5	68	14	16	17	17	32	145	254	317	334	297	417
6	66	14	16	17	17	34	144	257	317	322	328	362
7	66	14	16	17	17	38	148	271	328	320	331	344
8	62	14	16	17	17	123	166	277	345	332	316	343
9	49	14	16	17	17	155	165	259	345	353	287	339
10	39	14	16	17	17	164	165	250	346	376	283	326
11	17	15	16	17	17	172	165	244	346	368	269	283
12	17	15	16	17	17	171	164	245	349	349	270	265
13	17	15	16	17	17	168	171	243	358	363	269	235
14	17	15	17	17	17	169	184	240	372	358	285	190
15	19	15	17	17	17	168	184	249	479	343	313	172
16	40	15	16	17	34	168	187	253	600	307	334	172
17	61	15	17	17	50	168	205	262	598	299	334	170
18	83	15	17	17	50	158	225	265	573	277	361	163
19	83	15	17	17	57	137	222	271	531	278	361	130
20	89	15	17	17	65	117	214	268	484	270	403	130
21	124	16	16	17	65	106	219	255	454	230	430	128
22	120	16	17	17	65	105	225	242	454	233	443	128
23	97	16	17	16	65	105	221	249	461	246	426	128
24	89	16	17	16	46	105	210	263	456	265	461	128
25	69	16	17	16	30	105	225	265	447	275	493	126
26	69	16	17	17	31	106	225	273	428	282	490	126
27	38	16	17	17	30	107	224	273	417	290	489	125
28	14	16	17	17	31	106	224	275	403	304	525	125
29	14	16	17	17	------	108	223	289	388	299	545	124
30	14	16	17	17	------	107	230	307	384	283	474	117
31	14	------	17	16	------	105	------	315	------	285	472	------
TOTAL	1,839	450	512	523	873	3,435	5,607	8,133	12,244	9,616	11,435	7,081
MEAN	59.3	15.0	16.5	16.9	31.2	111	187	262	408	310	369	236
MAX	124	16	17	17	65	172	230	315	600	376	545	470
MIN	14	14	16	16	16	32	109	240	316	230	269	117
AC-FT	3,650	893	1,020	1,040	1,730	6,810	11,120	16,130	24,290	19,070	22,680	14,050

CAL YR 1973 TOTAL 56,202 MEAN 154 MAX 628 MIN 13 AC-FT 111,500
WTR YR 1974 TOTAL 61,748 MEAN 169 MAX 600 MIN 14 AC-FT 122,500

10293050 East Walker River below Sweetwater Creek, near Bridgeport, Calif.

LOCATION.--Lat 38°26'27", long 119°06'18", in NW¼NW¼ sec.29, T.7 N., R.26 E., Lyon County, on left bank, 10 ft (3.0 m) downstream from bridge, 1.8 mi (2.9 km) downstream from Sweetwater Creek, and about 16 mi (26 km) north-northeast of Bridgeport.

DRAINAGE AREA.--467 mi^2 (1,210 km^2).

PERIOD OF RECORD.--March to September 1974.

GAGE.--Water-stage recorder. Altitude of gage is 5,760 ft (1,760 m), from topographic map.

EXTREMES.--Maximum discharge during period, 1,040 ft^3/s (29.5 m^3/s) Aug. 5, gage height, 7.43 ft (2.265 m); minimum daily, 37 ft^3/s (1.05 m^3/s) Mar. 1-5.

REMARKS.--Records good. Diversions for irrigation above station. Flow regulated by Bridgeport Reservoir.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						37	98	244	337	382	294	488
2						37	118	276	333	337	304	488
3						37	137	244	333	371	294	443
4						37	137	258	337	378	294	469
5						37	137	264	364	371	359	435
6						40	133	267	317	340	347	396
7						45	133	288	368	337	337	364
8						135	155	301	399	337	333	357
9						165	157	288	421	368	294	364
10						175	150	279	399	388	283	360
11						180	150	270	399	388	261	304
12						180	148	273	424	357	261	301
13						175	148	270	414	371	255	270
14						175	168	261	492	371	264	216
15						175	168	264	542	360	301	188
16						173	168	264	615	317	317	208
17						166	180	270	636	317	320	195
18						164	202	270	631	290	340	192
19						135	202	276	644	290	349	153
20						118	192	279	388	290	382	148
21						98	198	261	357	252	414	148
22					†65	96	208	244	343	246	428	148
23						98	210	246	340	249	410	148
24						96	192	264	337	264	417	148
25						98	208	273	323	273	465	148
26						100	208	294	443	282	473	139
27						100	205	320	424	282	480	137
28						112	210	317	410	304	515	139
29					------	98	213	326	399	307	607	144
30					------	94	218	337	392	294	519	139
31		------			------	94	------	337	------	290	488	------
TOTAL						3,470	5,151	8,625	12,561	10,003	11,405	7,777
MEAN						112	172	278	419	323	368	259
MAX						180	218	337	644	388	607	488
MIN						37	98	244	317	246	255	137
AC-FT						6,880	10,220	17,110	24,910	19,840	22,620	15,430

† Result of discharge measurement.

10293500 East Walker River above Strosnider ditch, near Mason, Nev.

LOCATION.--Lat 38°48'45", long 119°02'50", in NW¼SW¼ sec.14, T.11 N., R.26 E., Lyon County, on right bank 0.9 mi (1.4 km) upstream from head of Strosnider ditch, 12 mi (19 km) southeast of Mason, and 13.5 mi (21.7 km) southeast of Yerington.

DRAINAGE AREA.--1,100 mi^2 (2,849 km^2), approximately.

PERIOD OF RECORD.--January 1947 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,574.10 ft (1,394.186 m) above mean sea level, datum of 1929. Prior to Oct. 24, 1957, at site 400 ft (120 m) upstream at datum 0.56 ft (0.171 m) higher.

AVERAGE DISCHARGE.--27 years, 146 ft^3/s (4.135 m^3/s), 105,800 acre-ft/yr (130 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 589 ft^3/s (16.7 m^3/s) June 18, gage height, 4.33 ft (1.320 m); minimum daily, 25 ft^3/s (0.71 m^3/s) Jan. 3.

Period of record: Maximum discharge, 2,380 ft^3/s (67.4 m^3/s) Feb. 1, 1963, gage height, 7.60 ft (2.316 m); minimum, 3.1 ft^3/s (0.088 m^3/s) Mar. 21, 1948; minimum daily 3.4 ft^3/s (0.096 m^3/s) Mar. 21-24, 1948, Apr. 5, 1961.

REMARKS.--Records good. Diversions for irrigation above station. Flow regulated by Bridgeport Reservoir.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	45	43	40	38	42	103	200	284	349	280	395
2	133	42	45	38	37	58	107	214	279	324	282	394
3	131	40	33	25	36	70	119	232	289	316	288	380
4	115	39	37	30	36	56	131	222	289	323	277	357
5	108	38	39	28	37	52	131	227	292	336	268	369
6	100	38	43	30	37	52	131	225	290	312	424	340
7	98	38	44	35	35	51	131	222	289	309	327	305
8	101	38	43	35	36	54	135	243	309	304	308	295
9	97	38	40	33	37	84	142	245	321	311	291	295
10	88	37	39	30	36	140	146	232	325	330	262	286
11	84	38	39	35	37	154	142	222	327	344	246	264
12	72	44	42	40	36	162	142	219	325	330	231	240
13	64	55	39	45	35	162	137	227	320	315	218	225
14	59	46	43	50	34	158	142	222	334	318	214	205
15	55	43	41	55	38	158	156	219	345	325	240	174
16	53	42	39	66	37	160	154	218	455	306	250	159
17	56	42	41	61	37	160	158	224	534	284	265	164
18	69	48	40	66	52	160	173	232	543	274	276	171
19	88	47	38	55	60	160	195	241	524	253	287	169
20	98	41	35	60	61	142	195	243	494	254	302	149
21	102	40	38	52	70	129	185	237	449	245	315	145
22	132	40	44	45	73	115	188	225	431	220	330	139
23	145	38	42	39	72	112	190	221	442	217	323	139
24	132	38	39	43	72	110	190	221	430	219	328	138
25	126	38	40	42	73	107	180	222	417	233	358	136
26	103	38	39	42	52	105	188	233	396	240	386	134
27	97	40	41	37	46	108	190	247	389	248	389	131
28	92	42	40	38	42	108	190	247	376	258	426	131
29	62	40	40	41	------	108	190	246	362	271	448	135
30	51	42	40	41	------	103	190	260	350	274	436	134
31	48	------	41	40	------	101	------	271	------	305	400	------
TOTAL	2,893	1,235	1,247	1,317	1,292	3,441	4,751	7,159	11,210	8,947	9,675	6,698
MEAN	93.3	41.2	40.2	42.5	46.1	111	158	231	374	289	312	223
MAX	145	55	45	66	73	162	195	271	543	349	448	395
MIN	48	37	33	25	34	42	103	200	279	217	214	131
AC-FT	5,740	2,450	2,470	2,610	2,560	6,830	9,420	14,200	22,240	17,750	19,190	13,290

CAL YR 1973 TOTAL 58,753 MEAN 161 MAX 633 MIN 12 AC-FT 116,500
WTR YR 1974 TOTAL 59,865 MEAN 164 MAX 543 MIN 25 AC-FT 118,700

10295500 Little Walker River near Bridgeport, Calif.

LOCATION.--Lat 38°21'30", long 119°26'30", in NW¼NW¼ sec.22, T.6 N., R.23 E., Mono County, on right bank 0.8 mi (1.3 km) north of Sonora Junction, 1.5 mi (2.4 km) upstream from mouth, and 14 mi (23 km) northwest of Bridgeport.

DRAINAGE AREA.--63.0 mi^2 (163.2 km^2).

PERIOD OF RECORD.--April to August 1910, October 1944 to current year. Prior to October 1958, published as East Fork West Walker River near Bridgeport.

GAGE.--Water-stage recorder. Altitude of gage is 6,790 ft (2,070 m), from topographic map. April to August 1910, nonrecording gage at site 1 mi (2 km) upstream at different datum.

AVERAGE DISCHARGE.--30 years (1944-74) 51.3 ft^3/s (1.453 m^3/s), 37,170 acre-ft/yr (45.8 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 352 ft^3/s (9.97 m^3/s) June 12, gage height, 2.13 ft (0.649 m); minimum, 13 ft^3/s (0.37 m^3/s) Nov. 3.

Period of record: Maximum discharge, 1,510 ft^3/s (42.8 m^3/s) Jan. 31, 1963, gage height, 3.22 ft (0.982 m), from rating curve extended above 350 ft^3/s (9.91 m^3/s) on basis of slope-area measurement at gage height 2.80 ft (0.853 m) and logarithmic plotting; maximum gage height recorded, 3.63 ft (1.106 m) Jan. 3, 1945, (backwater from ice); minimum discharge recorded, 4.9 ft^3/s (0.139 m^3/s) Nov. 17, 1948, but may have been less during periods of ice effect.

REMARKS.--Records good except those for winter periods, which are poor. Small diversions above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	20	24	27	25	40	42	65	210	173	72	25
2	17	19	23	23	23	26	41	69	218	168	67	25
3	17	17	21	22	23	27	36	78	220	155	76	24
4	17	16	21	20	23	25	34	78	224	152	76	24
5	17	19	22	21	23	27	36	81	239	147	84	24
6	17	22	23	22	25	28	37	94	268	138	79	23
7	19	21	25	24	24	26	39	113	285	129	65	23
8	20	19	23	28	24	24	41	136	259	124	58	22
9	19	20	22	23	24	24	43	154	246	138	53	23
10	18	34	21	22	24	24	39	161	255	147	49	23
11	19	106	23	23	25	26	40	162	276	112	47	22
12	20	109	23	26	26	28	43	167	295	100	44	23
13	20	53	25	22	22	30	44	158	295	96	43	22
14	20	44	25	24	23	36	46	152	295	94	42	22
15	19	41	23	60	24	38	52	151	300	91	41	22
16	19	38	24	62	21	37	57	139	272	89	39	21
17	19	41	25	63	20	35	63	124	242	86	36	22
18	18	40	22	73	20	34	65	115	220	84	35	22
19	18	36	21	66	21	33	58	110	205	82	34	22
20	22	35	21	46	20	33	55	98	191	79	34	22
21	19	33	22	39	23	34	56	92	192	81	32	21
22	20	33	21	35	22	34	63	95	203	81	31	21
23	26	33	21	32	20	36	64	104	210	81	30	21
24	23	28	20	31	21	38	61	115	194	81	29	21
25	23	30	20	31	21	39	54	146	182	85	29	21
26	22	25	20	33	20	40	49	186	172	82	28	21
27	22	26	22	29	22	40	48	233	162	77	28	21
28	21	25	25	28	20	42	49	271	161	72	27	21
29	20	27	44	26	------	41	51	257	165	70	26	21
30	20	27	38	24	------	42	58	214	168	81	26	21
31	20	------	37	24	------	37	------	206	------	88	25	------
TOTAL	608	1,037	747	1,029	629	1,024	1,464	4,324	6,823	3,263	1,385	666
MEAN	19.6	34.6	24.1	33.2	22.5	33.0	48.8	139	227	105	44.7	22.2
MAX	26	109	44	73	26	42	65	271	300	173	84	25
MIN	17	16	20	20	20	24	34	65	161	70	25	21
AC-FT	1,210	2,060	1,480	2,040	1,250	2,030	2,900	8,580	13,530	6,470	2,750	1,320

CAL YR 1973 TOTAL 20,982 MEAN 57.5 MAX 350 MIN 12 AC-FT 41,620
WTR YR 1974 TOTAL 22,999 MEAN 63.0 MAX 300 MIN 16 AC-FT 45,620

PEAK DISCHARGE (BASE, 200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
5-28	2100	2.09	330	6-12	2200	2.13	352
6-06	2300	2.07	320				

10296000 West Walker River below Little Walker River, near Coleville, Calif.

LOCATION.--Lat 38°22'47", long 119°26'57", in NE¼SE¼ sec.9, T.6 N., R.23 E., Mono County, on right bank 150 ft (45.7 m) downstream from Little Walker River, 60 ft (18.3 m) upstream from bridge on U.S. Highway 395, and 13 mi (21 km) southeast of Coleville.

DRAINAGE AREA.--180 mi^2 (466 km^2).

PERIOD OF RECORD.--April 1938 to current year. Prior to October 1958, published as "below East Fork".

GAGE.--Water-stage recorder. Datum of gage is 6,591.39 ft (2,009.056 m) above mean sea level, datum of 1929, supplementary adjustment of 1958. Oct. 1, 1939, to Sept. 30, 1969, at site 100 ft (30 m) upstream at same datum. Prior to Oct. 1, 1939, at site 25 ft (7.6 m) downstream at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--36 years, 260 ft^3/s (7.363 m^3/s), 188,400 acre-ft/yr (232 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 2,090 ft^3/s (59.2 m^3/s) June 7, gage height, 5.01 ft (1.527 m); minimum, 12 ft^3/s (0.34 m^3/s) Nov. 4.

Period of record: Maximum discharge, 6,220 ft^3/s (176 m^3/s) Nov. 20, 1950, gage height, 8.10 ft (2.469 m), from rating curve extended above 1,900 ft^3/s (53.8 m^3/s) on basis of slope-area measurement of peak flow; minimum, 4.0 ft^3/s (0.11 m^3/s) Nov. 18, 1948, result of freezeup.

Maximum discharge observed prior to 1938, 5,800 ft^3/s (164 m^3/s) Dec. 11, 1937, by slope-area measurement.

REMARKS.--Records good except those for winter periods, which are fair. Station is above diversions except for a few small ranch ditches. Flow very slightly regulated by Poor Lake Reservoir (capacity, unknown) 7 mi (11 km) upstream. Water-quality records for the current year are published in Part 2 of this report.

REVISIONS.--WSP 1927: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	58	70	136	116	115	186	392	1,270	967	360	105
2	52	54	60	70	107	109	174	469	1,300	871	324	103
3	52	44	65	75	110	90	165	573	1,300	745	346	100
4	52	39	65	80	100	80	155	593	1,360	734	377	97
5	50	48	70	100	95	90	166	622	1,410	723	356	95
6	48	61	90	100	90	95	167	728	1,690	641	391	95
7	48	71	120	100	97	99	171	873	1,760	590	308	94
8	53	84	110	100	90	96	184	1,050	1,420	563	270	91
9	50	78	105	80	90	92	192	1,150	1,340	617	240	89
10	46	218	100	72	85	91	176	1,170	1,450	940	222	88
11	48	926	102	90	82	94	176	1,120	1,560	563	210	86
12	51	944	116	100	87	102	189	1,170	1,680	466	193	88
13	50	386	109	104	80	107	200	1,050	1,630	450	182	85
14	48	281	105	105	85	122	220	952	1,640	470	169	85
15	47	243	100	226	90	134	251	985	1,590	482	158	83
16	46	211	104	234	87	141	283	859	1,440	478	148	81
17	43	205	105	258	75	143	318	706	1,190	439	140	79
18	42	185	96	278	80	141	358	590	1,060	416	135	77
19	42	187	102	316	87	137	309	518	967	408	129	74
20	52	177	104	256	75	140	280	451	852	398	125	73
21	50	159	98	213	80	147	280	434	930	420	120	71
22	48	148	95	173	82	150	330	497	1,050	420	117	70
23	74	136	90	182	76	157	363	601	1,110	431	112	68
24	61	140	85	163	77	167	328	712	981	439	108	67
25	67	137	90	155	80	176	292	997	888	416	107	67
26	64	128	93	140	79	176	264	1,280	834	387	103	67
27	63	124	94	138	78	178	246	1,560	774	373	102	66
28	63	121	109	133	75	182	248	1,770	794	356	98	66
29	57	122	199	126	------	183	256	1,630	852	353	100	64
30	56	120	176	124	------	192	309	1,260	908	416	110	63
31	59	------	146	120	------	176	------	1,230	------	494	108	------
TOTAL	1,635	5,835	3,173	4,547	2,435	4,102	7,236	27,998	37,030	16,446	5,968	2,437
MEAN	52.7	195	102	147	87.0	132	241	903	1,234	531	193	81.2
MAX	74	944	199	316	116	192	363	1,770	1,760	967	391	105
MIN	42	39	60	70	75	80	155	392	774	353	98	63
AC-FT	3,240	11,570	6,290	9,020	4,830	8,140	14,350	55,530	73,450	32,620	11,840	4,830

CAL YR 1973 TOTAL 105,388 MEAN 289 MAX 1,990 MIN 38 AC-FT 209,000
WTR YR 1974 TOTAL 118,842 MEAN 326 MAX 1,770 MIN 39 AC-FT 235,700

PEAK DISCHARGE (BASE, 1,120 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-12	0500	4.39	1,500	05-28	2400	4.99	2,070
05-09	2400	4.25	1,390	06-07	0200	5.01	2,090

10296500 West Walker River near Coleville, Calif.

LOCATION.--Lat 38°30'55", long 119°27'15", in NW¼NE¼ sec. 28, T.8 N., R.23 E., Mono County, on left bank 0.2 mi (0.3 km) downstream from Rock Creek and 5 mi (8 km) southeast of Coleville.

DRAINAGE AREA.--271 mi^2 (702 km^2).

PERIOD OF RECORD.--October 1902 to July 1908 (published as West Fork of Walker River near Coleville 1903, 1905-8 and as Walker River (West Fork) near Coleville 1904), March 1909 to September 1910, June 1915 to March 1938, May 1957 to current year. Monthly discharge only for some periods published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 5,520 ft (1,682 m), from topographic map. Prior to July 31, 1908, nonrecording gage at site 0.5 mi (0.8 km) upstream at different datum. Mar. 1, 1909, to Aug. 31, 1910, nonrecording gage, and June 18, 1915, to Aug. 15, 1919, water-stage recorder near present site at different datums. Aug. 16, 1919, to Mar. 31, 1938, water-stage recorder at site 1,000 ft (300 m) upstream at different datum. May 26, 1957, to Sept. 10, 1963, water-stage recorder at site 10 ft (3.0 m) downstream at datum 0.38 ft (0.116 m) lower.

AVERAGE DISCHARGE.--45 years (1902-7, 1909-10, 1915-37, 1957-74), 275 ft^3/s (7.788 m^3/s), 199,200 acre-ft/yr (246 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,980 ft^3/s (56.1 m^3/s) June 7, gage height, 3.80 ft (1.158 m); minimum daily, 50 ft^3/s (1.42 m^3/s) Nov. 4.

Period of record: Maximum discharge, 6,500 ft^3/s (184 m^3/s) Dec. 11, 1937, from slope-area measurement of peak flow; minimum, 5 ft^3/s (0.14 m^3/s) Dec. 3, 1924, Aug. 27, 1931.

REMARKS.--Records good except those for periods of no gage-height record, which are poor. Station is above diversions except for a few small ranch ditches. Flow very slightly regulated by Poor Lake Reservoir (capacity, unknown) 17 mi (27 km) upstream.

REVISIONS (WATER YEARS).--WSP 880: 1917 (runoff in acre-ft). WSP 1514: 1918, 1923. WSP 1927: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	72	105	149	149	117	206	411	1,330	954	363	118
2	59	67	90	115	136	138	193	469	1,330	898	325	117
3	59	58	95	100	138	110	183	595	1,330	767	322	115
4	59	50	95	105	136	110	173	612	1,390	768	387	111
5	59	59	100	115	130	117	183	646	1,380	754	337	107
6	57	72	120	120	118	122	183	767	1,590	663	407	105
7	57	80	147	120	122	117	186	926	1,700	617	311	103
8	63	95	138	120	120	115	200	1,090	1,410	584	273	101
9	59	100	133	110	117	107	213	1,160	1,330	595	245	96
10	55	235	130	105	117	107	196	1,180	1,420	947	229	94
11	57	932	133	110	115	107	196	1,160	1,500	595	217	92
12	61	972	130	115	105	115	206	1,210	1,660	479	201	93
13	59	407	138	117	105	117	213	1,120	1,610	444	191	92
14	57	297	130	117	112	130	235	1,020	1,580	469	180	93
15	55	265	128	220	110	147	265	1,080	1,560	479	171	92
16	57	235	130	261	105	152	293	961	1,450	484	162	90
17	55	229	133	293	95	158	326	799	1,250	440	155	88
18	53	210	120	297	105	155	384	657	1,100	402	149	87
19	53	212	115	352	105	149	331	567	1,030	393	143	85
20	59	202	122	293	91	152	301	489	912	375	140	83
21	61	184	122	253	100	158	293	464	968	411	136	81
22	59	170	122	196	97	161	344	514	1,050	416	129	79
23	87	159	120	210	91	167	393	640	1,120	421	126	77
24	72	166	120	193	93	177	352	729	1,020	440	123	76
25	78	160	115	186	97	190	314	1,030	926	411	122	76
26	76	151	115	173	95	186	289	1,260	871	397	120	74
27	74	143	115	161	91	190	269	1,520	786	388	119	74
28	74	149	125	164	93	196	269	1,680	799	366	118	74
29	70	149	200	158	------	196	273	1,640	851	361	116	72
30	72	147	203	155	------	210	318	1,320	905	379	120	70
31	72	------	167	149	------	193	------	1,270	------	502	120	------
TOTAL	1,947	6,427	3,956	5,332	3,088	4,566	7,780	28,986	37,158	16,579	6,257	2,715
MEAN	62.8	214	128	172	110	147	259	935	1,239	535	202	90.5
MAX	87	972	203	352	149	210	393	1,680	1,700	954	407	118
MIN	53	50	90	100	91	107	173	411	786	361	116	70
AC-FT	3,860	12,750	7,850	10,580	6,130	9,060	15,430	57,490	73,700	32,880	12,410	5,390

CAL YR 1973 TOTAL 112,752 MEAN 309 MAX 1,910 MIN 27 AC-FT 223,600
WTR YR 1974 TOTAL 124,791 MEAN 342 MAX 1,790 MIN 50 AC-FT 247,500

PEAK DISCHARGE (BASE, 1,120 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-12	--	3.37	1,390	05-29	0600	3.79	1,970
05-10	0200	3.15	1,360	06-07	0500	3.80	1,980

NOTE.--No gage-height record Oct. 30 to Nov. 28.

10297000 Topaz Lake near Topaz, Calif.

LOCATION.--Lat 38°41'35", long 119°31'10", in NW¼NE¼ sec.33, T.10 N., R.22 E., Douglas County, at outlet works of Topaz Lake on West Walker River, 5.5 mi (8.8 km) north of Topaz.

PERIOD OF RECORD.--December 1921 to September 1931 (monthly contents only published in WSP 1734), October 1931 to current year.

GAGE.--Float and staff gages read once daily. Datum of gage is at mean sea level (levels by Walker River Irrigation District).

EXTREMES.--Current year: Maximum contents, 60,310 acre-ft (74.4 hm^3) June 23, elevation 5,005.38 ft (1,525.640 m); minimum, 10,530 acre-ft (13.0 hm^3) Oct. 22-25, elevation, 4,979.01 ft (1,517.602 m).

Period of record: Maximum contents, 60,310 acre-ft (74.4 hm^3) June 23, 1974, elevation, 5,005.38 ft (1,525.640 m); no contents Oct. 31, 1924, Sept. 22, 24-30, Oct. 1-15, 1960.

REMARKS.--Topaz Lake, formerly known as Alkali Lake and Topaz Reservoir, was formed by the diversion of water from West Walker River through a feeder canal and the construction of an outlet tunnel through a low saddle in rim of lake. Storage began about December 1921. Usable capacity, 59,440 acre-ft (73.3 hm^3) between elevations 4,972.3 ft (1,515.56 m) lowest practical elevation for diversion through tunnel, bottom of outlet tunnel at elevation, 4,970 ft (1,515 m) and 5,005 ft (1,526 m), 3 ft (0.9 m) below top of levee. Usable capacity of reservoir increased from about 45,000 (55.5 hm^3) to 59,440 acre-ft (73.3 hm^3) in October 1937 by an earth-fill, rock-faced levee at south end. Figures given herein represent usable contents. There is 65,000 acre-ft (80.1 hm^3) of lake volume below the point of controllable storage. Water is used for irrigation in Walker River Irrigation District.

COOPERATION.--Elevations furnished by Walker River Irrigation District.

Capacity table (elevation, in feet, and contents, in acre-feet)

4,978	8,910	4,995	38,100
4,980	12,130	5,000	48,350
4,985	20,390	5,006	61,750
4,990	28,970		

CONTENTS, IN ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11,710	11,130	25,050	35,150	48,600	55,270	59,600	48,560	58,410	60,240	51,660	36,010
2	11,600	11,240	25,400	35,450	48,920	55,670	59,670	48,170	58,640	60,200	51,660	35,520
3	11,490	11,340	25,650	35,630	49,230	56,100	59,690	47,980	58,870	59,960	51,500	35,020
4	11,450	11,430	26,070	35,900	49,530	56,370	59,690	47,960	59,070	59,850	51,420	34,400
5	11,430	11,600	26,410	36,140	49,810	56,640	59,600	47,980	59,280	59,820	51,440	33,850
6	11,430	11,680	26,760	36,400	50,050	56,930	59,530	48,030	59,390	59,820	51,530	33,220
7	11,430	11,790	27,090	36,690	50,330	57,300	59,530	48,150	59,720	59,740	51,770	32,570
8	11,420	11,970	27,490	37,010	50,570	57,570	59,460	48,670	59,650	59,460	51,960	31,870
9	11,420	12,150	27,840	37,210	50,850	57,960	59,230	49,400	59,190	59,140	52,100	31,170
10	11,400	12,360	28,170	37,440	51,110	58,110	58,710	50,090	58,870	59,260	52,120	30,460
11	11,400	12,700	28,570	37,710	51,370	58,340	58,180	50,830	58,710	59,720	51,990	29,760
12	11,420	14,880	28,800	37,980	51,630	58,520	57,820	51,740	58,660	59,760	51,810	29,040
13	11,420	16,220	29,150	38,290	51,830	58,710	57,290	52,540	58,620	59,620	51,420	28,450
14	11,400	17,270	29,440	38,580	52,050	58,960	56,890	53,130	58,710	59,370	50,850	27,870
15	11,390	17,980	29,760	39,010	52,290	59,140	56,440	53,640	58,800	59,160	50,240	27,260
16	11,360	18,530	30,080	39,630	52,510	59,300	55,920	53,970	58,750	58,640	49,510	26,740
17	11,270	19,070	30,380	40,530	52,730	59,320	55,310	54,170	58,910	58,250	49,080	26,290
18	11,190	19,470	30,680	41,330	52,980	59,350	54,820	53,970	59,210	57,660	47,960	26,020
19	11,050	20,330	30,920	42,330	53,240	59,370	54,330	53,730	59,600	57,050	47,030	25,620
20	10,950	20,850	31,190	43,150	53,420	59,370	53,840	53,350	59,880	56,440	45,990	25,590
21	10,790	21,300	31,470	43,970	53,640	59,370	53,330	53,240	60,060	55,850	44,970	25,330
22	10,530	21,740	31,830	44,550	53,800	59,390	52,780	52,290	60,290	55,260	43,930	25,110
23	10,530	22,100	32,170	45,050	54,000	59,420	52,290	51,960	60,310	54,750	42,980	24,800
24	10,530	22,450	32,420	45,530	54,200	59,460	51,920	51,900	59,900	54,280	42,060	24,690
25	10,530	22,900	32,710	46,080	54,400	59,510	51,480	52,010	59,650	53,950	41,150	24,450
26	10,560	23,200	32,960	46,480	54,640	59,550	51,020	52,600	59,830	53,310	40,340	24,210
27	10,660	23,550	33,270	46,790	54,800	59,580	50,540	53,600	60,060	52,840	39,570	23,960
28	10,760	23,870	33,490	47,220	55,000	59,550	50,070	54,930	60,060	52,360	38,760	23,620
29	10,820	24,210	33,850	47,600	------	59,550	49,590	55,760	60,130	52,030	37,980	23,500
30	10,920	24,520	34,290	47,960	------	59,550	49,100	57,840	60,220	51,630	37,240	23,260
31	11,010	------	34,730	48,300	------	59,600	------	58,250	------	51,550	36,650	------
MAX	11,710	24,520	34,730	48,300	55,000	59,600	59,690	58,250	60,310	60,240	52,120	36,010
MIN	10,530	11,130	25,050	35,150	48,600	55,270	49,100	47,960	58,410	51,550	36,650	23,260
(†)	4,979.31	4,987.43	4,993.22	4,999.98	5,003.04	5,005.07	5,000.35	5,004.48	5,005.34	5,001.30	4,994.25	4,986.69
(‡)	-780	+13,510	+10,210	+13,570	+6,700	+4,600	-10,500	+9,150	+1,970	-8,630	-14,940	-13,390

CAL YR 1973 MAX 39,850 MIN 10,530 ‡+13,750
WTR YR 1974 MAX 60,310 MIN 10,530 ‡+11,490

† ELEVATION, IN FEET, AT END OF MONTH.
‡ CHANGE IN CONTENTS, IN ACRE-FEET.

10297500 West Walker River at Hoye Bridge, near Wellington, Nev.

LOCATION.--Lat 38°43'40", long 119°25'40", in NE¼SE¼ sec.17, T.10 N., R.23 E., Douglas County, on left bank 20 ft (6.1 m) upstream from Hoye Bridge, 2 mi (3 km) upstream from head of Saroni Canal, and 4 mi (6 km) southwest of Wellington.

DRAINAGE AREA.--533 mi² (1,380 km²).

PERIOD OF RECORD.--May to August 1910 (published as West Walker River near Wellington), July 1920 to September 1923, March 1924 to August 1925, October 1925 to September 1932, October 1957 to current year. Monthly discharge only for some periods published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 4,980 ft (1,518 m), from topographic map. May to August 1910, nonrecording gage at same site at different datum. July 1, 1920, to Sept. 30, 1923, water-stage recorder at site 3 mi (5 km) downstream, 1 mi (2 km) downstream from Saroni Canal, at different datum and supplemental nonrecording gage at Saroni Canal 1 mi (2 km) downstream from head. Mar. 1, 1924, to Sept. 30, 1932, water-stage recorder at same site at different datum.

AVERAGE DISCHARGE.--27 years (1920-23, 1925-32, 1957-74), 235 ft³/s (6.655 m³/s), 170,300 acre-ft/yr (210 hm³/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 1,580 ft³/s (44.7 m³/s) June 7, gage height, 7.65 ft (2.332 m); minimum, 24 ft³/s (0.68 m³/s) Jan. 3, but may have been less during period of ice effect.

Period of record: Maximum discharge, 2,180 ft³/s (61.7 m³/s) June 6, 1922, minimum observed, 4.8 ft³/s (0.14 m³/s) Jan. 5, 1961.

REMARKS.--Records good. Flow regulated by off-channel storage in Topaz Lake since Jan. 30, 1922. Diversions for irrigation of about 10,500 acres (42.5 km²) above station. Records include releases from Topaz Lake and all return flow from Antelope Valley.

REVISIONS.--WSP 2127: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	55	27	29	32	32	216	485	1,060	772	540	320
2	89	42	25	27	33	34	191	481	1,080	828	520	321
3	88	39	25	25	33	45	191	500	1,090	749	500	321
4	78	39	25	28	32	34	195	521	1,120	633	480	328
5	68	38	27	28	33	34	224	525	1,180	613	460	341
6	67	38	29	26	33	36	253	539	1,300	587	430	357
7	66	38	29	28	32	40	266	577	1,450	603	400	365
8	66	36	30	29	32	34	299	645	1,550	622	350	366
9	64	38	31	28	32	36	331	719	1,480	513	300	367
10	63	32	30	26	32	37	362	762	1,430	565	270	377
11	63	44	30	28	32	44	358	765	1,440	564	320	365
12	66	277	30	29	31	59	359	725	1,490	481	340	355
13	69	132	30	30	32	59	374	728	1,520	506	360	337
14	69	63	30	32	32	65	403	705	1,450	494	380	331
15	70	53	30	37	32	76	410	723	1,430	496	400	324
16	78	43	30	35	32	145	464	710	1,330	531	420	297
17	93	32	30	46	32	175	487	698	1,070	555	430	216
18	107	36	29	42	32	178	475	692	818	551	460	185
19	108	33	29	40	32	179	457	675	717	564	505	163
20	110	30	29	34	32	180	461	664	670	561	541	159
21	126	28	29	41	32	180	462	665	681	557	497	169
22	128	27	30	40	32	179	461	632	877	546	491	167
23	129	27	30	37	33	180	462	598	1,070	497	472	149
24	116	27	30	36	33	180	470	613	1,050	525	451	150
25	98	27	30	35	33	181	472	610	831	538	420	170
26	87	27	30	35	32	194	466	672	695	525	415	170
27	76	27	29	34	32	218	450	767	668	491	412	164
28	72	27	28	34	31	222	433	771	657	490	409	158
29	71	27	28	33	------	198	449	835	648	500	393	166
30	64	26	29	33	------	198	473	876	707	520	343	164
31	58	------	30	33	------	201	------	1,050	------	540	319	------
TOTAL	2,587	1,409	898	1,025	901	3,657	11,424	20,869	32,496	17,502	13,028	7,826
MEAN	83.5	47.0	29.0	33.1	32.2	118	381	673	1,083	565	420	261
MAX	129	277	31	46	33	222	487	1,050	1,550	828	541	385
MIN	58	26	25	25	31	32	191	481	648	481	270	149
AC-FT	5,130	2,790	1,780	2,030	1,790	7,250	22,660	41,390	64,460	34,720	25,840	15,520

CAL YR 1973 TOTAL 97,923 MEAN 268 MAX 1,700 MIN 20 AC-FT 194,200
WTR YR 1974 TOTAL 113,622 MEAN 311 MAX 1,550 MIN 25 AC-FT 225,400

10300000 West Walker River near Hudson, Nev.

LOCATION.--Lat 38°48'35", long 119°13'35", in SE¼SW¼ sec.18, T.11 N., R.25 E., Lyon County, on left bank 0.5 mi (0.8 km) upstream from Wilson Canyon and 3 mi (5 km) southeast of Hudson.

DRAINAGE AREA.--964 mi^2 (2,497 km^2).

PERIOD OF RECORD.--August 1914 to March 1925, January 1947 to current year. August 1914 to May 1921 published as "at Hudson."

GAGE.--Water-stage recorder. Altitude of gage is 4,650 ft (1,417 m), from topographic map. Prior to May 1921, nonrecording gage at site 2.5 mi (4.0 km) upstream at different datum. May 1921 to March 1925, water-stage recorder at approximately same site at different datum.

AVERAGE DISCHARGE.--37 years (1914-24, 1947-74), 193 ft^3/s (5.466 m^3/s), 139,800 acre-ft/yr (172 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,190 ft^3/s (33.7 m^3/s) June 8, gage height, 4.28 ft (1.305 m); minimum, 52 ft^3/s (1.47 m^3/s) Oct. 18, Jan. 10, but may have been less during period of ice effect.

Period of record: Maximum discharge, 2,700 ft^3/s (76.5 m^3/s) Dec. 24, 1955, gage height, 7.42 ft (2.262 m) from floodmarks; minimum, 3.8 ft^3/s (0.11 m^3/s) Jan. 22, 1962, but may have been less during periods of ice effect.

REMARKS.--Records good. Flow regulated by off-channel storage in Topaz Lake since Jan. 30, 1922. Many diversions above station for irrigation. Station is below return flow from irrigated areas in Smith Valley.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	69	58	59	61	69	200	305	662	432	334	110
2	75	62	57	58	59	73	183	299	686	486	333	108
3	81	57	56	58	59	75	155	303	696	481	312	115
4	83	57	56	58	59	74	153	314	734	380	283	98
5	77	57	57	58	59	76	171	305	808	359	281	99
6	68	57	60	58	59	78	191	316	963	311	254	109
7	75	57	62	57	59	79	198	323	1.050	293	202	123
8	79	54	60	57	60	79	206	344	1.170	310	168	156
9	75	55	60	57	60	79	245	381	1.150	291	149	172
10	69	57	59	57	59	77	255	419	1.050	311	132	178
11	68	54	60	59	58	78	253	411	1.050	396	155	198
12	64	138	60	60	64	88	253	393	1.060	341	158	190
13	59	222	62	62	64	93	257	392	1.150	300	181	167
14	57	108	60	66	65	95	270	389	1.080	291	200	181
15	55	87	60	73	65	106	280	377	1.070	299	217	193
16	57	75	60	69	65	134	285	375	1.060	304	230	182
17	55	66	60	92	64	193	287	371	900	321	227	139
18	55	63	60	92	66	205	282	368	645	320	255	108
19	68	68	62	79	67	209	301	365	488	319	289	102
20	60	62	60	77	70	211	283	360	436	321	299	106
21	66	59	62	77	69	215	299	351	422	334	272	111
22	75	57	64	73	67	215	258	345	514	331	255	116
23	92	55	62	71	66	208	287	321	718	307	234	106
24	92	57	60	69	66	207	289	321	806	318	212	102
25	87	57	62	68	67	193	301	317	647	342	200	106
26	87	57	62	66	68	205	305	345	440	347	185	115
27	79	57	62	64	68	219	315	406	390	328	176	111
28	77	59	60	67	69	229	309	443	392	329	162	106
29	75	59	60	65	------	206	300	468	360	337	163	105
30	71	55	59	64	------	149	305	457	379	339	136	113
31	69	------	60	64	------	189	------	645	------	343	117	------
TOTAL	2.221	2.117	1,862	2.054	1.782	4.455	7.697	11.540	22.976	10.521	6.771	3.925
MEAN	71.6	70.6	60.1	66.3	63.6	144	257	372	766	339	218	131
MAX	92	222	64	92	70	229	315	645	1.170	486	334	198
MIN	55	54	56	57	58	69	153	299	360	291	117	98
AC-FT	4.410	4.200	3.690	4.070	3.530	8.840	15.270	22.890	45.570	20.670	13.430	7.790

CAL YR 1973 TOTAL 69.192 MEAN 190 MAX 1.440 MIN 32 AC-FT 137.200
WTR YR 1974 TOTAL 77.921 MEAN 213 MAX 1.170 MIN 54 AC-FT 154.600

10300600 Walker River near Mason, Nev.

LOCATION.--Lat 38°55'11", long 119°11'20", in SW¼NE¼ sec.9, T.12 N., R.25 E., Lyon County, on right bank 50 ft (15 m) downstream from bridge, 2 mi (3 km) south of Mason, and 5 mi (8 km) south-southwest of Yerington.

DRAINAGE AREA.--2,400 mi^2 (6,200 km^2), approximately.

PERIOD OF RECORD.--May to September 1974.

GAGE.--Water-stage recorder. Altitude of gage is 4,420 ft (1,347 m), from topographic map.

EXTREMES.--Maximum discharge during period, 1,110 ft^3/s (31.4 m^3/s) June 8, gage height, 7.64 ft (2.329 m); minimum, 114 ft^3/s (3.23 m^3/s) Sept. 28.

REMARKS.--Records good. Many diversions for irrigation above station. Flow regulated by Bridgeport Reservoir and Topaz Reservoir, combined capacity, 101,900 acre-ft (126 hm^3).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								300	662	495	409	284
2								300	666	543	403	284
3								320	680	526	381	273
4								320	714	446	353	244
5								330	781	412	344	241
6								340	896	341	403	227
7								330	996	287	372	205
8								320	1,060	287	313	213
9								330	1,100	258	290	238
10								350	1,050	299	241	252
11								400	1,040	400	229	261
12								380	1,050	396	241	261
13								370	1,100	307	221	235
14								360	1,020	290	227	238
15								350	1,000	310	229	249
16								347	1,000	325	255	232
17								347	930	338	255	208
18								338	908	302	258	183
19								350	767	290	310	181
20								334	686	290	328	178
21								325	634	302	331	173
22								322	683	299	325	176
23								307	896	284	310	173
24								290	992	273	287	163
25							†282	293	842	304	302	156
26								290	616	319	302	166
27								359	526	328	293	140
28								418	501	319	290	121
29					------			443	459	341	319	123
30					------			449	443	353	331	140
31		------			------		------	613	------	393	281	------
TOTAL								10,925	24,698	10,657	9,433	6,218
MEAN								352	823	344	304	207
MAX								613	1,100	543	409	284
MIN								290	443	258	221	121
AC-FT								21,670	48,990	21,140	18,710	12,330

† Result of discharge measurement.

10301500 Walker River near Wabuska, Nev.

LOCATION.--Lat 39°09'10", long 119°05'50", in SE¼NW¼ sec.20, T.15 N., R.26 E., Lyon County, on left bank 600 ft (183 m) upstream from timber bridge at Julian Ranch, 1.8 mi (2.9 km) downstream from Southern Pacific Railroad bridge, 4.6 mi (7.4 km) east of Wabuska, and 16 mi (26 km) upstream from Weber Dam.

DRAINAGE AREA.--2,600 mi^2 (6,734 km^2), approximately.

PERIOD OF RECORD.--July 1902 to December 1904, January 1905 to July 1908 (fragmentary), January 1920 to September 1935, January 1939 to current year. Monthly discharge only for some periods published in WSP 1734.

GAGE.--Water-stage recorder. Altitude of gage is 4,280 ft (1,305 m), from topographic map. July 22, 1902, to July 31, 1908, nonrecording gage at site 2.5 mi (4.0 km) upstream at different datum. Jan. 15, 1920, to Sept. 30, 1929, nonrecording gage or water-stage recorder at several sites near present site at various datums; Oct. 1, 1929, to Sept. 30, 1935, water-stage recorder at site 1.5 mi (2.4 km) downstream at different datum. January 1939 to September 1958, nonrecording gage on bridge 300 ft (91 m) downstream at datum 1.19 ft (0.363 m) higher.

AVERAGE DISCHARGE.--49 years (1902-4, 1920-24, 1925-35, 1939-41, 1942-43, 1944-74), 158 ft^3/s (4.475 m^3/s), 114,500 acre-ft/yr (141 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,040 ft^3/s (29.5 m^3/s) June 17, gage height, 7.22 ft (2.201 m); minimum, 24 ft^3/s (0.68 m^3/s) Oct. 2.

Period of record: Maximum discharge observed, 3,280 ft^3/s (92.9 m^3/s) July 10, 11, 1906, gage height, 5.90 ft (1.798 m), site and datum then in use; no flow at times in 1924, 1925, 1931.

REMARKS.--Records good. Many diversions for irrigation above station. Flow regulated by Bridgeport Reservoir and Topaz Reservoir, combined capacity, 101,900 acre-ft (126 hm^3). Water-quality records for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1314: 1923 (M). WSP 1634: 1904.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	105	110	105	115	124	129	84	471	202	252	109
2	26	100	104	83	115	132	169	81	481	254	250	120
3	28	83	100	70	115	153	136	84	511	282	242	104
4	29	85	102	70	115	168	108	104	493	255	224	102
5	34	90	102	70	118	156	130	120	527	196	202	100
6	47	90	104	70	123	149	102	133	603	180	240	95
7	42	84	105	74	115	152	105	113	629	103	333	91
8	44	76	109	77	112	147	97	107	629	78	230	91
9	49	77	108	76	114	149	101	118	636	85	196	101
10	44	77	102	75	112	175	140	148	679	101	162	97
11	52	70	106	130	113	224	145	215	795	134	126	99
12	66	74	107	178	113	247	158	193	844	222	125	115
13	60	163	110	186	113	268	124	167	907	162	103	106
14	65	209	107	186	103	266	113	156	936	118	80	120
15	71	138	106	199	108	267	133	134	885	95	60	134
16	72	120	112	198	116	278	136	98	902	119	64	114
17	69	105	113	194	114	336	146	94	997	134	72	98
18	66	118	110	207	115	381	143	116	928	118	54	119
19	66	131	106	196	129	376	140	162	667	100	53	112
20	73	114	108	173	139	330	159	169	524	90	56	106
21	77	107	111	183	144	277	143	167	452	90	70	86
22	81	99	117	164	152	254	146	161	427	100	82	64
23	124	95	120	141	155	218	123	158	574	104	104	63
24	173	93	116	147	150	202	110	123	751	105	106	52
25	186	93	115	146	142	188	89	116	710	104	103	46
26	175	96	114	135	156	188	84	100	487	105	119	55
27	178	96	113	127	138	176	86	145	321	111	126	64
28	153	97	116	125	130	157	99	230	232	119	110	71
29	144	113	115	127	------	166	101	240	207	126	112	54
30	111	110	112	126	------	147	99	269	177	130	148	60
31	103	------	112	117	------	128	------	332	------	150	138	------
TOTAL	2,536	3,108	3,392	4,155	3,484	6,579	3,694	4,637	18,382	4,272	4,342	2,748
MEAN	81.8	104	109	134	124	212	123	150	613	138	140	91.6
MAX	186	209	120	207	156	381	169	332	997	282	333	134
MIN	26	70	100	70	103	124	84	81	177	78	53	46
AC-FT	5,030	6,160	6,730	8,240	6,910	13,050	7,330	9,200	36,460	8,470	8,610	5,450

CAL YR 1973 TOTAL 55,259 MEAN 151 MAX 1,460 MIN 26 AC-FT 109,600
WTR YR 1974 TOTAL 61,329 MEAN 168 MAX 997 MIN 26 AC-FT 121,600

10302010 Reese River Canyon near Schurz, Nev.

LOCATION.--Lat 38°51'00", long 118°46'55", in NE$\frac{1}{4}$NW$\frac{1}{4}$ sec.6, T.11 N., R.29 E., Mineral County, on left bank at abandoned culvert on former U.S. Highway 95 and 6 mi (10 km) south of Schurz.

DRAINAGE AREA.--14 mi^2 (36 km^2), approximately.

PERIOD OF RECORD.--Water years 1963-66 (annual maximum), October 1966 to current year.

GAGE.--Flood-hydrograph recorder and crest-stage gage. Altitude of gage is 4,080 ft (1,244 m), from topographic map. October 1962 to September 1966, crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--8 years, 0.019 ft^3/s (0.0005 m^3/s), 14 acre-ft/yr (17,300 m^3/yr).

EXTREMES.--Current year: Maximum discharge, 5 ft^3/s (0.14 m^3/s) Oct. 23, gage height, unknown; no flow most of the year.
Period of record: Maximum discharge, 1,870 ft^3/s (53.0 m^3/s July 31, 1965, gage height, 9.25 ft (2.819 m), from high-water marks, based on indirect measurement; no flow most of the time.

REMARKS.--Records poor. No regulation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0											
2	0											
3	0											
4	0											
5	0											
6	0											
7	0											
8	0											
9	0											
10	0											
11	0											
12	0											
13	0											
14	0											
15	0											
16	0											
17	0											
18	0											
19	0											
20	0											
21	0											
22	0											
23	.10											
24	0											
25	0											
26	0											
27	0											
28	0											
29	0				------							
30	0				------							
31	0	------			------		------		------			------
TOTAL	.10	0	0	0	0	0	0	0	0	0	0	0
MEAN	.003	0	0	0	0	0	0	0	0	0	0	0
MAX	.10	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	.2	0	0	0	0	0	0	0	0	0	0	0

CAL YR 1973 TOTAL 20.20 MEAN .055 MAX 20 MIN 0 AC-FT 40
WTR YR 1974 TOTAL 0.10 MEAN .0003 MAX .1 MIN 0 AC-FT .2

NOTE.--No gage-height record for entire year. Discharge estimated.

10308200 East Fork Carson River below Markleeville Creek, near Markleeville, Calif.

LOCATION.--Lat 38°42'50", long 119°45'50", in SW¼NE¼ sec.15, T.10 N., R.20 E., Alpine County, on right bank 0.5 mi (0.8 km) downstream from Markleeville Creek and 1.5 mi (2.4 km) north-northeast of Markleeville.

DRAINAGE AREA.--276 mi^2 (715 km^2).

PERIOD OF RECORD.--August 1960 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,400 ft (1,646 m), from topographic map. Prior to Oct. 1, 1967, at present site at datum 2.00 ft (0.610 m) higher.

AVERAGE DISCHARGE.--14 years, 369 ft^3/s (10.45 m^3/s), 267,300 acre-ft/yr (330 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 3,540 ft^3/s (100 m^3/s) Nov. 12, gage height, 6.34 ft (1.932 m); minimum, 37 ft^3/s (1.05 m^3/s) Nov. 4.

Period of record: Maximum discharge, 15,100 ft^3/s (428 m^3/s) Jan. 31, 1963, gage height, 10.21 ft (3.112 m), present datum; minimum, 16 ft^3/s (0.45 m^3/s) Nov. 17, 1961.

REMARKS.--Records good except those for winter months, which are poor. A few small diversions for irrigation above station. Flow slightly regulated by several small reservoirs, total capacity, about 5,000 acre-ft (6.16 hm^3). Water-quality records for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	72	144	240	275	411	494	938	1,730	670	222	128
2	59	68	144	190	249	363	424	1,120	1,640	677	227	124
3	59	57	134	174	250	239	372	1,290	1,630	558	244	117
4	59	49	140	172	247	268	352	1,250	1,720	524	243	128
5	62	66	137	164	238	266	380	1,290	1,720	501	258	121
6	59	104	135	160	219	308	367	1,420	1,840	472	269	121
7	68	147	148	170	221	289	372	1,660	1,810	440	195	118
8	80	175	142	165	220	254	394	1,930	1,530	420	175	110
9	69	121	140	160	214	241	413	2,020	1,460	687	161	110
10	67	434	140	160	214	249	368	1,990	1,530	820	147	109
11	66	2,030	150	170	210	251	365	1,880	1,620	529	134	107
12	68	2,020	168	180	203	287	399	1,840	1,670	439	125	105
13	69	600	183	185	194	283	428	1,670	1,590	399	127	105
14	68	399	168	213	205	320	454	1,600	1,530	376	148	101
15	70	340	164	775	193	359	537	1,570	1,470	344	160	98
16	68	299	172	784	193	363	617	1,370	1,350	332	157	89
17	67	355	206	1,070	181	353	693	1,170	1,220	311	153	77
18	65	329	160	1,040	193	341	771	992	1,090	291	149	75
19	64	267	148	1,080	193	309	613	854	1,000	277	145	74
20	69	244	160	722	173	311	587	751	895	267	144	72
21	74	219	179	580	186	323	614	736	887	268	140	69
22	70	194	172	458	180	333	781	854	930	255	137	67
23	115	179	168	470	170	342	829	1,060	930	242	133	68
24	92	186	164	415	170	365	688	1,260	846	238	128	67
25	93	175	164	392	182	387	598	1,510	767	243	125	66
26	86	168	164	355	181	361	547	1,860	706	269	124	66
27	82	164	202	325	175	364	507	2,220	670	233	123	65
28	83	168	231	326	176	394	503	2,400	655	236	137	64
29	78	168	862	305	------	410	511	2,060	670	225	135	63
30	75	183	507	296	------	464	642	1,750	670	218	131	65
31	75	------	345	286	------	393	------	1,720	------	240	128	------
TOTAL	2,239	9,980	6,241	12,182	5,705	10,201	15,620	46,035	37,776	12,001	5,024	2,749
MEAN	72.2	333	201	393	204	329	521	1,485	1,259	387	162	91.6
MAX	115	2,030	862	1,080	275	464	829	2,400	1,840	820	269	128
MIN	59	49	134	160	170	239	352	736	655	218	123	63
AC-FT	4,440	19,800	12,380	24,160	11,320	20,230	30,980	91,310	74,930	23,800	9,970	5,450

CAL YR 1973 TOTAL 141,989 MEAN 389 MAX 2,740 MIN 49 AC-FT 281,600
WTR YR 1974 TOTAL 165,753 MEAN 454 MAX 2,400 MIN 49 AC-FT 328,800

PEAK DISCHARGE (BASE, 1,300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-12	0600	6.34	3,540	5-09	2200	5.57	2,460
12-29	1300	4.52	1,410	5-27	2200	5.85	2,810
1-18	1900	4.68	1,590	7-09	2100	4.60	1,320

10309000 East Fork Carson River near Gardnerville, Nev.

LOCATION.--Lat 38°50'50", long 119°42'10", in SW¼NE¼ sec.2, T.11 N., R.20 E., Douglas County, on left bank 0.1 mi (0.2 km) downstream from Horseshoe Bend, 2 mi (3 km) east of Mud Lake Reservoir, 4.5 mi (7.2 km) downstream from Bryant Creek, and 7 mi (11 km) southeast of Gardnerville.

DRAINAGE AREA.--341 mi^2 (883 km^2).

PERIOD OF RECORD.--January 1890 to December 1893, October 1900 to December 1906 (gage heights only August to December 1904 and July to December 1905), January 1908 to December 1910, June to October 1917, December 1924 to September 1928, June to September 1929, October 1935 to December 1937, May 1939 to current year. Monthly discharge only for some periods published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is 4,985.11 ft (1519.462 m) above mean sea level (levels by Bureau of Reclamation). Prior to May 19, 1939, nonrecording gages at several sites within 2 mi (3 km) of present site at various datums.

AVERAGE DISCHARGE.--48 years (1890-93, 1900-1903, 1908-10, 1925-28, 1935-37, 1939-74), 392 ft^3/s (11.10 m^3/s), 284,000 acre-ft/yr (350 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 3,250 ft^3/s (92.0 m^3/s) Nov. 12, gage-height, 4.97 ft (1.515 m); minimum 51 ft^3/s (1.44 m^3/s) Nov. 5.

Period of record: Maximum discharge 17,600 ft^3/s (498 m^3/s) Dec. 23, 1955, gage height, 11.88 ft (3.621 m), from rating curve extended above 6,000 ft^3/s (170 m^3/s), on basis of slope-area measurements at gage heights 9.66 ft (2.944 m) and 11.88 ft (3.621 m); minimum observed, 8 ft^3/s (0.23 m^3/s) Dec. 4-10, 19-23, 1904.

REMARKS.--Records good. Station is above all diversions in Carson Valley. Diversions for irrigation above station. Flow slightly regulated by several small reservoirs, total capacity, about 5,000 acre-ft (6.16 hm^3).

REVISIONS (WATER YEARS).--WSP 1214: 1938 (M), 1942-43 (M), 1945 (M). WSP 1514: 1909-10. WSP 1927: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	90	220	280	288	322	515	936	1,740	712	232	143
2	63	88	167	230	258	444	489	1,140	1,670	677	202	142
3	63	81	160	200	262	260	411	1,330	1,610	595	249	130
4	65	66	170	190	263	253	384	1,320	1,740	553	254	142
5	65	73	160	185	254	280	412	1,330	1,700	531	248	138
6	64	110	160	180	230	336	403	1,470	1,830	495	298	133
7	67	142	170	190	226	329	401	1,670	1,830	465	208	131
8	88	221	160	185	228	292	421	1,910	1,580	443	185	123
9	81	141	160	180	222	260	451	2,010	1,480	657	169	123
10	77	388	162	180	223	272	405	2,010	1,550	958	159	122
11	75	1,750	175	190	218	271	395	1,890	1,620	585	142	119
12	76	2,150	190	200	209	308	425	1,870	1,690	473	134	117
13	79	716	216	200	200	309	458	1,740	1,610	420	129	116
14	79	466	198	212	215	342	479	1,610	1,560	393	152	114
15	79	400	189	681	202	391	546	1,630	1,510	368	167	112
16	79	348	198	790	202	391	643	1,450	1,400	345	169	107
17	77	379	224	1,140	182	379	716	1,260	1,270	326	166	90
18	75	409	180	931	199	369	833	1,080	1,150	307	161	84
19	73	318	165	1,140	202	340	661	940	1,060	294	156	83
20	78	289	180	758	171	337	632	821	947	278	152	82
21	83	273	200	599	192	345	635	785	930	276	153	78
22	79	240	193	465	186	356	808	876	969	263	151	77
23	147	226	186	460	173	367	898	1,100	991	245	147	75
24	111	238	179	423	176	386	751	1,290	907	239	146	74
25	113	215	179	403	186	419	645	1,530	815	245	141	72
26	107	211	176	370	182	386	589	1,780	763	271	138	73
27	101	206	209	331	175	395	543	2,140	704	240	136	73
28	101	207	236	339	178	426	538	2,320	690	231	148	71
29	98	211	808	317	------	437	534	2,090	703	238	151	70
30	92	207	568	309	------	499	644	1,770	706	225	147	73
31	91	------	365	299	------	438	------	1,720	------	258	144	------
TOTAL	2,590	10,859	6,903	12,557	5,902	10,939	16,665	46,818	38,725	12,606	5,334	3,087
MEAN	83.5	362	223	405	211	353	556	1,510	1,291	407	172	103
MAX	147	2,150	808	1,140	288	499	898	2,320	1,830	958	298	143
MIN	63	66	160	180	171	253	384	785	690	225	129	70
AC-FT	5,140	21,540	13,690	24,910	11,710	21,700	33,060	92,860	76,810	25,000	10,580	6,120

CAL YR 1973 TOTAL 145,570 MEAN 399 MAX 2,590 MIN 63 AC-FT 288,700
WTR YR 1974 TOTAL 172,985 MEAN 474 MAX 2,320 MIN 63 AC-FT 343,100

PEAK DISCHARGE (BASE, 1,300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-12	0800	4.97	3,250	5-10	0200	4.28	2,370
12-29	1500	3.34	1,440	5-28	0100	4.57	2,710
1-18	2200	3.46	1,520	7-09	2300	3.30	1,390

10309100 East Fork Carson River at Minden, Nev.

LOCATION.--Lat 38°56'48", long 119°46'45", in NE¼NE¼SW¼ sec.31, T.13 N., R.20 E., Douglas County, on right bank on downstream side of bridge on State Highway 88 and 1.0 mi (1.6 km) southwest of Minden.

DRAINAGE AREA.--392 mi^2 (1,015 km^2), approximately.

PERIOD OF RECORD.-- March to September 1974.

GAGE.--Water-stage recorder. Altitude of gage is 4,710 ft (1,436 m), from topographic map.

EXTREMES.--Maximum discharge during period, 2,300 ft^3/s (65.1 m^3/s) May 28, gage height, 7.26 ft (2.213 m); minimum daily, 0.53 ft^3/s (0.015 m^3/s) Aug. 17, 22, 23.

REMARKS.--Records good. Many diversions for irrigation above station. Flow slightly regulated by several small reservoirs on tributaries.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						-	450	418	1,310	264	9.3	1.8
2						-	454	633	1,280	255	5.6	2.0
3						-	343	830	1,240	207	15	2.0
4						-	312	860	1,400	187	22	2.0
5						-	336	842	1,330	153	18	2.2
6						-	340	955	1,450	108	26	2.4
7						-	316	1,070	1,490	96	2.6	3.0
8						-	312	1,330	1,230	82	2.0	3.4
9						-	336	1,540	1,100	117	1.7	4.0
10						-	286	1,460	1,170	418	1.4	4.2
11						-	252	1,330	1,190	189	1.1	4.0
12						-	276	1,340	1,270	117	.98	3.8
13						-	292	1,210	1,220	90	1.1	3.0
14						-	296	1,070	1,170	72	.87	2.6
15						-	343	1,130	1,130	48	.77	2.2
16						-	406	948	1,010	20	.68	2.2
17						-	402	752	878	10	.53	1.8
18						-	472	578	758	4.8	.68	1.7
19						-	361	464	666	2.2	1.1	1.7
20						-	336	365	545	2.0	.98	1.7
21						-	329	336	510	1.2	.87	1.8
22						-	426	383	535	1.2	.53	1.8
23						-	505	530	567	1.2	.53	2.6
24						-	376	704	495	1.2	.60	4.0
25						-	283	929	430	1.2	.87	4.2
26						-	237	1,130	365	12	.68	5.3
27						-	204	1,570	309	7.1	.98	5.3
28						-	197	1,830	299	4.2	1.8	4.2
29					------	368	192	1,670	276	10	1.8	4.0
30					------	418	237	1,290	267	9.3	1.8	2.2
31		------			------	372	------	1,280	------	19	1.5	------
TOTAL	-	-	-	-	-	-	9,907	30,777	26,890	2,509.6	124.35	87.1
MEAN	-	-	-	-	-	-	330	993	896	81.0	4.01	2.90
MAX	-	-	-	-	-	-	505	1,830	1,490	418	26	5.3
MIN	-	-	-	-	-	-	192	336	267	1.2	.53	1.7
AC-FT	-	-	-	-	-	-	19,650	61,050	53,340	4,980	247	173

10310000 West Fork Carson River at Woodfords, Calif.

LOCATION.--Lat 38°46'10", long 119°49'55", in NW¼SE¼ sec.34, T.11 N., R.19 E., Alpine County, on left bank 0.3 mi (0.5 km) downstream from bridge on State Highway 88-89, 0.6 mi (1.0 km) southwest of Woodfords, and 3.8 mi (6.1 km) downstream from Willow Creek.

DRAINAGE AREA.--65.6 mi^2 (169.9 km^2).

PERIOD OF RECORD.--October 1900 to May 1907, 1910-11 (fragmentary), October 1938 to current year. January 1890 to March 1892, June 1907 to September 1920 (except portions of 1910-11), at site 0.7 mi (1.1 km) downstream; records not equivalent owing to diversions for irrigation. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 5,760 ft (1,756 m), from river-profile map. Prior to Oct. 1, 1938, nonrecording gage at about the same site at different datum. Oct. 1, 1938, to Nov. 11, 1958, water-stage recorder at same site at datum 1.02 ft (0.311 m) lower. Nov. 13, 1958, to Jan. 30, 1963, water-stage recorder at site 150 ft (45.7 m) downstream at datum 3.06 ft (0.933 m) lower.

AVERAGE DISCHARGE.--43 years (1900-1907, 1938-74), 115 ft^3/s (3.257 m^3/s), 83,320 acre-ft/yr (103 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,100 ft^3/s (31.2 m^3/s) Nov. 11, gage height, 4.28 ft (1.305 m); minimum, 14 ft^3/s (0.40 m^3/s) Nov. 4.

Period of record: Maximum discharge, 4,890 ft^3/s (138 m^3/s) Feb. 1, 1963, gage height, 9.0 ft (2.74 m), on basis of slope-area measurement of peak flow; minimum, about 5 ft^3/s (0.14 m^3/s) Dec. 23, 1961.

Flood of Dec. 11, 1937, reached a stage of 8.0 ft (2.44 m), present datum, from floodmarks, discharge, 3,500 ft^3/s (99.1 m^3/s), by slope-area measurement.

REMARKS.--Records fair. One small diversion above station for irrigation. Flow slightly regulated by several small reservoirs, total capacity, about 1,500 acre-ft (1.85 hm^3). Water-quality records for the current year are published in Part 2 of this report.

REVISIONS.--WSP 1927: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	26	30	116	81	56	111	380	408	158	111	60
2	22	25	28	80	72	52	102	436	394	156	99	39
3	22	22	30	60	75	63	101	462	390	137	85	35
4	22	21	45	64	72	67	99	454	394	129	81	33
5	22	24	52	62	71	65	116	466	373	125	84	32
6	22	45	56	64	65	66	116	490	390	114	72	31
7	27	53	60	66	60	63	121	542	370	109	65	31
8	29	54	60	64	60	58	135	610	328	111	61	30
9	26	41	61	62	58	57	143	620	310	256	57	44
10	25	149	60	63	58	57	121	620	317	278	55	60
11	24	684	56	65	57	58	127	580	324	165	51	58
12	24	529	58	64	56	61	158	580	331	133	74	57
13	24	190	54	61	56	61	174	560	320	120	87	52
14	24	139	60	69	56	73	223	500	310	111	85	50
15	23	147	60	206	54	88	241	490	292	121	80	48
16	23	123	60	247	55	97	262	450	277	121	73	28
17	22	116	62	259	50	99	292	400	262	114	71	25
18	22	88	58	265	54	91	289	330	244	109	66	24
19	22	91	58	286	52	86	253	320	232	105	46	29
20	24	84	56	203	50	94	265	300	200	101	43	34
21	24	80	54	180	51	101	295	290	198	97	42	34
22	24	72	55	147	49	105	352	350	209	78	41	31
23	35	69	54	154	50	112	348	400	212	73	40	39
24	31	72	53	139	48	125	283	490	195	71	39	42
25	34	64	54	133	50	135	244	550	174	71	39	43
26	32	64	55	109	50	123	226	650	165	70	52	55
27	31	66	55	96	48	133	229	700	152	64	67	53
28	30	64	61	96	47	121	235	510	145	62	69	50
29	29	65	150	88	------	135	253	474	154	81	69	37
30	27	64	170	88	------	125	307	412	156	87	67	23
31	26	------	143	85	------	116	------	401	------	112	66	------
TOTAL	794	3,331	1,968	3,741	1,605	2,745	6,221	14,817	8,226	3,637	2,037	1,207
MEAN	25.6	111	63.5	121	57.3	88.5	207	478	274	117	65.7	40.2
MAX	35	684	170	286	81	135	352	700	408	278	111	60
MIN	22	21	28	60	47	52	99	290	145	62	39	23
AC-FT	1,570	6,610	3,900	7,420	3,180	5,440	12,340	29,390	16,320	7,210	4,040	2,390

CAL YR 1973 TOTAL 40,800 MEAN 112 MAX 684 MIN 21 AC-FT 80,930
WTR YR 1974 TOTAL 50,329 MEAN 138 MAX 700 MIN 21 AC-FT 99,830

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-11	1100	4.28	1,100	5-27	unknown	unknown	about 800
5-07	2200	3.56	740	7-09	2400	3.16	514

10310400 Daggett Creek near Genoa, Nev.

LOCATION.--Lat 38°57'55", long 119°50'55", in SW¼NE¼ sec.28, T.13 N., R.19 E., Douglas County, on left bank in Haines Canyon, 0.55 mi (0.88 km) upstream from Foothill Road, and 3.5 mi (5.6 km) south-southwest of Genoa.

DRAINAGE AREA.--3.82 mi^2 (9.89 km^2).

PERIOD OF RECORD.--1964 (miscellaneous site), 1965 (low-flow, partial-record site), October 1965 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,100 ft (1,554 m) from topographic map.

AVERAGE DISCHARGE.--9 years, 2.23 ft^3/s (0.0632 m^3/s), 1,620 acre-ft/yr (2.00 hm^3/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 14 ft^3/s (0.40 m^3/s) Jan. 17, gage height, 1.21 ft (0.369 m); minimum, 0.65 ft^3/s (0.018 m^3/s) Sept. 10, 17-20.

Period of record: Maximum discharge, 63 ft^3/s (1.78 m^3/s) Aug. 5, 1971, gage height, 2.78 ft (0.847 m), from floodmarks, from rating curve extended above 6 ft^3/s (0.17 m^3/s) on basis of slope-area measurement of peak flow; minimum, 0.50 ft^3/s (0.014 m^3/s) July 6, 1973.

REMARKS.--Records fair. No diversions above station. Intermittent pumping of effluent from Lake Tahoe basin by Douglas County Sewer Improvement District No. 1, occurred from February 1969 to November 1971.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1.1	1.5	3.2	1.9	1.5	1.9	2.3	3.1	1.8	1.2	.96
2	1.2	1.1	1.5	2.5	1.9	1.4	1.8	2.5	3.1	1.8	1.1	.95
3	1.2	1.2	1.5	1.8	1.8	1.7	1.7	2.3	3.5	1.7	1.1	.93
4	1.2	1.2	1.5	1.9	1.7	2.2	1.7	2.3	3.3	1.7	1.1	.92
5	1.3	1.5	1.5	1.8	1.7	2.1	1.8	2.5	3.3	1.7	1.3	.95
6	1.3	1.2	1.6	1.9	1.6	2.2	1.8	2.8	3.3	1.6	1.2	.94
7	1.5	1.2	1.5	1.9	1.6	2.3	1.9	3.0	3.2	1.6	1.1	.92
8	1.3	1.1	1.5	1.9	1.5	2.2	1.9	3.4	3.1	1.7	1.2	.90
9	1.3	1.2	1.5	1.9	1.5	2.1	2.0	3.4	3.0	4.8	1.2	.92
10	1.3	1.3	1.5	1.9	1.5	1.7	1.8	3.7	2.9	4.3	1.2	.81
11	1.3	2.5	1.5	1.9	1.4	1.7	1.9	3.5	2.8	3.0	1.2	.83
12	1.2	3.4	1.5	1.9	1.4	1.8	1.9	3.5	2.7	2.4	1.2	.83
13	1.2	1.3	1.6	1.9	1.4	2.0	1.9	3.4	2.6	2.2	1.2	.86
14	1.2	1.2	1.5	2.5	1.4	2.1	1.9	3.6	2.6	2.0	1.2	.86
15	1.2	1.2	1.3	3.7	1.4	2.3	1.9	3.3	2.7	1.9	1.2	.86
16	1.1	1.3	1.5	4.1	1.4	2.4	1.9	3.1	2.8	1.8	1.1	.87
17	1.1	1.8	1.6	5.2	1.4	2.5	2.1	2.9	2.8	1.7	1.1	.82
18	1.1	1.3	1.5	4.8	1.3	2.4	2.1	2.9	2.8	1.6	1.1	.81
19	1.1	1.1	1.3	4.1	1.3	2.2	2.1	2.7	2.7	1.6	1.1	.81
20	1.2	1.1	1.3	3.4	1.3	2.3	2.1	2.5	2.7	1.5	1.2	.81
21	1.1	1.1	1.3	3.1	1.3	2.4	2.1	2.9	2.6	1.5	1.2	.83
22	1.2	1.2	1.3	2.8	1.3	2.5	2.3	3.1	2.5	1.5	1.1	.93
23	1.8	1.2	1.3	3.2	1.3	2.5	2.3	3.1	2.4	1.5	1.1	.92
24	1.2	1.2	1.2	3.0	1.3	2.6	2.3	3.7	2.3	1.5	1.1	.91
25	1.2	1.2	1.3	2.8	1.3	2.7	2.3	4.1	2.3	1.2	1.1	.92
26	1.2	1.2	1.3	2.5	1.3	2.4	1.9	4.0	2.2	1.2	1.1	.93
27	1.2	1.2	1.4	2.4	1.3	2.5	1.9	4.2	2.1	1.2	1.1	.91
28	1.2	1.2	1.5	2.2	1.3	2.2	1.9	3.7	2.0	1.2	1.1	.91
29	1.1	1.2	2.0	2.1	------	2.3	1.9	3.2	1.9	1.1	.95	.91
30	1.1	1.2	4.5	2.1	------	2.2	2.1	3.2	1.9	1.1	.97	.92
31	1.1	------	4.0	2.0	------	2.0	------	3.1	------	1.2	.94	------
TOTAL	37.9	40.2	50.8	82.4	40.8	67.4	59.1	97.9	81.2	56.6	35.06	26.65
MEAN	1.22	1.34	1.64	2.66	1.46	2.17	1.97	3.15	2.71	1.83	1.13	.89
MAX	1.8	3.4	4.5	5.2	1.9	2.7	2.3	4.2	3.5	4.8	1.3	.96
MIN	1.1	1.1	1.2	1.8	1.3	1.4	1.7	2.3	1.9	1.1	.94	.81
AC-FT	75	80	101	163	81	134	117	194	161	112	70	53

CAL YR 1973 TOTAL 619.82 MEAN 1.70 MAX [illegible].2 MIN .76 AC-FT 1,230

WTR YR 1974 TOTAL 675.91 MEAN 1.85 MAX 5.2 MIN .81 AC-FT 1,340

NOTE.--No gage-height record Feb. 8 to Apr. 12.

10310405 Carson River at Genoa, Nev.

LOCATION.--Lat 38°59'52", long 119°49'21", in SW¼SW¼ sec.11, T.13 N., R.19 E., Douglas County, on right bank just downstream from bridge on State Route 57 and 1.2 mi (1.9 km) southeast of Genoa.

DRAINAGE AREA.--570 mi^2 (1,480 km^2), approximately.

PERIOD OF RECORD.--April to September 1974.

GAGE.--Water-stage recorder. Altitude of gage is 4,660 ft (1,420 m), from topographic map.

EXTREMES.--Maximum discharge during period, 1,680 ft^3/s (47.6 m^3/s) May 29, gage height, 8.21 ft (2.502 m); minimum, 8.3 ft^3/s (0.24 m^3/s) Aug. 31.

REMARKS.--Records good. Many diversions for irrigation above station. Flow slightly regulated by several small reservoirs on tributaries.

Discharge measurements made in bypass channel at Highway 57, 400 ft (122 m) east of gage

Date	Discharge (cfs)	Date	Discharge (cfs)	Date	Discharge (cfs)
Apr. 2	104	May 9	327	July 9	49.7
Apr. 12	88.1	June 11	250	Aug. 16	0

Discharge measurements made in bypass channel at Highway 57, 2,600 ft (792 m) west of gage

Date	Discharge (cfs)	Date	Discharge (cfs)	Date	Discharge (cfs)
Apr. 2	113	May 9	80.2	July 9	51.8
Apr. 12	84.3	June 11	296	Aug. 16	18.5

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							385	425	1,050	290	32	10
2							390	584	1,050	270	40	10
3							385	752	990	224	47	10
4							380	802	1,050	228	64	9.7
5							385	802	1,030	202	72	9.4
6							375	900	1,100	170	72	13
7							360	1,040	1,130	150	70	12
8							378	1,230	1,020	140	62	13
9							405	1,320	918	180	50	13
10							362	1,420	934	578	41	14
11							332	1,330	938	475	38	12
12							358	1,280	974	300	32	14
13							358	1,200	966	218	31	15
14							362	1,060	914	163	30	14
15							398	1,070	882	138	34	14
16							458	970	822	106	33	18
17							472	818	743	86	28	20
18							528	701	662	81	23	15
19							460	611	605	65	20	14
20							400	505	542	49	17	13
21							395	472	518	46	17	13
22							460	432	551	51	20	14
23							505	593	605	40	18	13
24							445	749	551	32	17	14
25							352	872	472	28	14	15
26							302	1,000	415	28	19	16
27							268	1,300	358	37	16	13
28							260	1,520	320	36	14	17
29					------		256	1,490	296	33	16	20
30					------		288	1,170	296	34	14	20
31		------			------		------	1,070	------	28	9.7	------
TOTAL							11,462	29,488	22,702	4,504	1,010.7	418.1
MEAN							382	951	757	145	32.6	13.9
MAX							528	1,520	1,130	578	72	20
MIN							256	425	296	28	9.7	9.4
AC-FT							22,730	58,490	45,030	8,930	2,000	829

10311000 Carson River near Carson City, Nev.

LOCATION.--Lat 39°06'30", long 119°42'40", in SW¼NW¼ sec.2, T.14 N., R.20 E., Carson City, on left bank 2 mi (3 km) downstream from Clear Creek, 3 mi (5 km) upstream from Lloyd Bridge on road to Mexican Dam, and 5 mi (8 km) southeast of Carson City Post Office.

DRAINAGE AREA.--876 mi^2 (2,269 km^2).

PERIOD OF RECORD.--May 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,620.48 ft (1,408.322 m) above mean sea level, datum of 1929. Prior to Dec. 23, 1955, water-stage recorder on right bank at datum 1.0 ft (0.305 m) higher. Dec. 23, 1955, to Mar. 13, 1956, nonrecording gage at present site at datum 1.0 ft (0.305 m) higher. Mar. 14, 1956, to Sept. 30, 1963, water-stage recorder at present site at datum 1.0 ft (0.305 m) higher.

AVERAGE DISCHARGE.--35 years, 406 ft^3/s (11.50 m^3/s), 294,100 acre-ft/yr (363 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 3,180 ft^3/s (90.1 m^3/s) Nov. 13, gage height, 6.17 ft (1.881 m); minimum, 22 ft^3/s (0.62 m^3/s) Sept. 8.

Period of record: Maximum discharge, 30,000 ft^3/s (850 m^3/s) Dec. 24, 1955, gage height, 16.0 ft (4.88 m), present datum, from floodmarks; from rating curve extended above 6,000 ft^3/s (170 m^3/s) on basis of slope-area measurements at gage heights 9.40 ft (2.865 m) and 16.0 ft (4.88 m), computation of flow over dam at gage height 12.40 ft (3.780 m), and float measurement at gage height 10.60 ft (3.231 m), all at present datum; minimum, 2.6 ft^3/s (0.074 m^3/s) Aug. 7, 1961.

REMARKS.--Records good. Many diversions above station for irrigation. Flow slightly regulated by several small reservoirs on tributaries.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	127	406	624	494	303	664	636	1,740	379	54	33
2	51	126	438	450	466	807	896	952	1,740	356	64	43
3	49	123	310	340	444	635	672	1,260	1,680	317	76	42
4	54	118	320	360	433	515	590	1,410	1,690	324	89	35
5	53	115	330	350	416	496	601	1,400	1,710	319	133	33
6	55	124	350	350	395	624	587	1,540	1,790	272	118	31
7	49	146	360	390	385	666	565	1,730	1,900	242	116	30
8	49	196	428	400	380	537	572	2,010	1,770	228	103	25
9	56	232	380	370	375	470	593	2,240	1,550	263	88	31
10	66	233	350	360	365	453	586	2,370	1,520	657	69	29
11	71	841	350	380	360	438	496	2,320	1,500	792	63	24
12	75	2,580	360	400	350	425	511	2,200	1,580	559	53	25
13	86	2,250	380	440	336	432	519	2,140	1,560	397	52	28
14	82	995	380	500	332	439	520	1,910	1,490	284	50	27
15	86	707	336	760	336	499	578	1,900	1,420	242	56	31
16	76	580	328	1,320	328	533	670	1,790	1,320	200	54	32
17	72	519	346	1,650	314	535	702	1,530	1,180	172	49	39
18	72	717	385	1,630	301	522	781	1,260	1,020	157	51	33
19	81	574	341	2,050	314	515	733	1,150	886	135	51	33
20	81	466	321	1,550	314	478	600	1,000	807	105	42	34
21	81	438	328	1,190	293	479	589	879	739	91	38	32
22	82	395	361	893	285	492	689	858	758	79	36	34
23	101	360	331	795	277	497	844	975	856	69	30	35
24	158	350	319	747	273	513	788	1,140	816	52	33	35
25	135	346	305	708	277	555	643	1,370	714	48	31	41
26	132	323	302	656	277	561	546	1,530	626	47	34	65
27	135	314	342	588	285	527	482	1,990	545	63	46	43
28	126	314	368	600	273	559	455	2,390	478	61	43	41
29	117	310	583	576	------	612	460	2,570	436	56	41	46
30	118	310	1,390	540	------	650	499	2,120	406	57	40	44
31	121	------	777	522	------	695	------	1,840	------	47	36	------
TOTAL	2,615	15,229	12,605	22,489	9,670	16,462	18,431	50,410	36,227	7,070	1,839	1,054
MEAN	84.4	508	407	725	346	531	614	1,626	1,208	228	59.3	35.1
MAX	158	2,580	1,390	2,050	494	807	896	2,570	1,900	792	133	65
MIN	45	115	302	340	273	303	455	636	406	47	30	24
AC-FT	5,190	30,210	25,000	44,610	19,200	32,650	36,560	99,990	71,860	14,020	3,650	2,090

CAL YR 1973 TOTAL 43,704.8 MEAN 120 MAX 3,140 MIN 9.9 AC-FT 86,690
WTR YR 1974 TOTAL 194,109.0 MEAN 532 MAX 2,580 MIN 24 AC-FT 385,000

PEAK DISCHARGE (BASE, 1,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-13	0100	6.17	3,180	5-10	1500	5.36	2,510
12-30	0500	4.70	1,660	5-29	1500	5.79	2,760
1-19	1200	5.34	2,290				

10312000 Carson River near Fort Churchill, Nev.

LOCATION.--Lat 39°17'30", long 119°18'40", in SW¼SE¼ sec.32, T.17 N., R.24 E., Lyon County, on right bank 400 ft (122 m) downstream from Buckland ditch, 2 mi (3 km) west of Fort Churchill, and 4.5 mi (7.2 km) upstream from Weeks Bridge on U.S. Highway 95 alternate.

DRAINAGE AREA.--1,450 mi^2 (3,760 km^2), approximately.

PERIOD OF RECORD.--April 1911 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is 4,214.70 ft (1,284.641 m) above mean sea level. Prior to Apr. 25, 1924, nonrecording gage at site 7.8 mi (12.6 km) upstream at different datum. Apr. 25, 1924, to Dec. 31, 1933, water-stage recorder at site 8 mi (13 km) upstream at different datum. Jan. 1, 1934, to Sept. 30, 1957, water-stage recroder at present site at datum 1.36 ft (0.414 m) higher (levels by Truckee-Carson Irrigation District).

AVERAGE DISCHARGE.--63 years, 367 ft^3/s (10.39 m^3/s), 265,900 acre-ft/yr (328 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 2,840 ft^3/s (80.4 m^3/s) Nov. 13, gage height, 5.48 ft (1.670 m); minimum, 1.6 ft^3/s (0.045 m^3/s) Oct. 1.

Period of record: Maximum discharge, 15,300 ft^3/s (433 m^3/s) Feb. 2, 1963, gage height, 10.83 ft (3.301 m); maximum gage height, about 11 ft (3.35 m) in December 1955, present datum, from floodmarks (discharge unknown); no flow during some periods in nearly every year since 1923.

REMARKS.--Records good. Many diversions for irrigation above station, including diversions for irrigation of 720 acres (2.91 km) between present site and sites used prior to Jan. 1, 1934. Buckland ditch diverts 400 ft (122 m) upstream for irrigation below station. Water-quality records for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1514: 1917.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	105	395	669	506	272	612	380	1,580	348	14	4.1
2	2.3	112	472	517	478	386	620	559	1,630	350	13	4.1
3	2.5	114	414	270	448	786	723	815	1,830	323	13	3.9
4	1.9	112	392	250	429	571	578	1,080	1,570	285	17	3.7
5	1.9	107	395	240	424	497	521	1,160	1,680	241	23	3.4
6	1.7	107	383	240	407	510	544	1,210	1,630	270	48	3.4
7	5.6	109	372	230	388	639	527	1,410	1,770	266	45	3.7
8	9.5	120	393	230	375	613	506	1,470	1,830	224	45	3.7
9	9.0	144	432	230	375	520	508	1,990	1,610	210	35	3.7
10	8.8	146	391	235	365	466	533	2,170	1,660	249	27	3.5
11	16	235	386	250	365	467	458	2,240	1,460	720	21	3.5
12	31	1,320	368	320	350	426	427	2,110	1,470	683	16	3.5
13	40	2,510	371	408	345	418	435	2,070	1,500	653	15	3.6
14	46	1,350	402	540	335	419	446	1,960	1,470	338	14	3.3
15	48	828	379	695	340	424	454	1,760	1,370	251	13	4.2
16	49	704	385	970	335	472	489	1,750	1,350	215	12	4.2
17	53	596	383	1,260	331	492	565	1,570	1,230	182	11	3.8
18	45	581	357	1,840	321	486	543	1,280	1,080	156	10	3.7
19	42	746	375	1,700	321	485	691	1,070	930	132	9.6	2.9
20	44	582	316	1,910	331	461	576	980	837	103	10	3.1
21	51	450	327	1,340	317	432	495	830	750	81	8.9	2.9
22	55	460	316	1,060	307	439	522	735	688	78	8.0	2.4
23	62	419	332	837	294	451	605	743	736	68	7.6	2.5
24	83	392	328	793	290	451	708	868	830	59	7.5	2.6
25	116	392	319	736	290	468	825	1,090	764	45	7.1	2.7
26	109	380	304	688	294	512	512	1,300	655	30	6.3	2.4
27	109	350	309	634	294	494	435	1,580	578	19	6.3	2.7
28	111	341	347	571	285	474	380	2,070	506	15	5.3	3.1
29	107	341	340	596	------	505	355	2,400	460	14	4.7	4.0
30	100	336	436	551	------	550	355	2,310	407	15	4.6	4.2
31	103	------	999	531	------	620	------	1,840	------	13	4.2	------
TOTAL	1,467.6	14,559	12,564	21,335	9,940	15,178	15,826	44,980	35,550	6,546	482.1	103.0
MEAN	47.3	485	405	688	355	490	528	1,451	1,185	211	15.5	3.43
MAX	116	2,510	999	1,910	506	786	723	2,400	1,830	720	48	4.2
MIN	1.6	105	304	230	285	272	355	380	407	13	4.2	2.4
AC-FT	2,910	28,880	24,920	42,320	19,730	30,110	31,390	89,220	70,510	12,980	956	204

CAL YR 1973 TOTAL 154,048.6 MEAN 422 MAX 2,770 MIN 1.2 AC-FT 305,600
WTR YR 1974 TOTAL 178,536.7 MEAN 489 MAX 2,510 MIN 1.6 AC-FT 354,100

PEAK DISCHARGE (BASE, 1,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-13	1500	5.48	2,840	5-11	0600	5.18	2,310
12-30	1900	4.38	1,430	5-30	0500	5.36	2,540
1-19	2100	5.05	2,240				

10312100 Lahontan Reservoir near Fallon, Nev.

LOCATION.--Lat 39°27'45", long 119°04'00", in SW¼SE¼ sec.33, T.19 N., R.26 E., Churchill County, in outlet control house on upstream side of Lahontan Dam on Carson River, 18 mi (29 km) west of Fallon.

PERIOD OF RECORD.--January 1917 to current year. Monthly contents only for January 1917 to September 1960, published in WSP 1734.

GAGE.--Float tape with surface contact detector. Prior to 1956, float tape. Datum of gage is at mean sea level, Bureau of Reclamation datum, which is 3.73 ft (1.137 m) lower than datum of 1929, supplementary adjustment of 1956, according to levels by Bureau of Reclamation during 1966.

EXTREMES.--Current year: Maximum contents observed, 299,000 acre-ft (369 hm^3) June 17-19, elevation, 4,162.31 ft (1,268.672 m); minimum observed, 123,100 acre-ft (152 hm^3) Oct. 9, elevation, 4,139.09 ft (1,261.595 m).

Period of record: Maximum contents observed (20-inch flashboard on weir), *328,600 acre-ft (405 hm^3) June 16, 1962, elevation 4,164.43 ft (1,269.318 m); minimum observed, *91 acre-ft (112,000 m^3) Sept. 7-9, 1929, elevation, 4,070.0 ft (1,240.54 m).

REMARKS.--Reservoir is formed by earth- and gravel-fill dam, constructed by U.S. Bureau of Reclamation. Storage began sometime between the completion of the dam in June 1915 and the beginning of the period of record, January 1917. Capacity, 295,100 acre-ft (364 hm^3) between elevations, 4,060.0 (1,237.49 m), invert of outlet conduit, and 4,162.0 ft (1,268.58 m), spillway crest; includes 91 acre-ft (112,000 m) of dead storage below elevation 4,070.0 ft (1,240.54 m). Surface area at spillway elevation, 12,120 acres (49.0 km^2). Water is used for irrigation of 87,500 acres (354 km^2) in Newlands Project and for power. Figures given herein represent total contents and are computed from 0800 hour readings, based on capacity table dated 1972. Reservoir stores water from Carson River and from Truckee River via Truckee Canal at Derby Dam. Inflow is regulated by Lake Tahoe, Donner Lake, Prosser Creek, Stampede, Boca, and other Reservoirs, and Derby Dam. Extensive irrigation above reservoir in Carson and Truckee River basins.

COOPERATION.--Records of daily elevations furnished by Truckee-Carson Irrigation District.

Capacity table (elevation, in feet, contents, in acre-feet)

4,139	122,700	4,160	272,600
4,140	127,800	4,163	307,900
4,150	187,200		

CONTENTS, IN ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125.700	129.300	177.000	202.300	245.700	264.600	274.700	262.000	286.600	286.000	237.200	182.300
2	124.900	129.800	178.500	204.400	246.600	265.200	274.500	261.000	287.700	284.100	235.200	181.700
3	124.600	130.400	180.600	205.200	247.700	265.900	274.500	260.800	289.200	283.300	233.400	178.900
4	124.100	130.900	181.700	205.700	248.800	267.300	275.500	260.800	290.100	281.500	231.200	177.500
5	123.900	131.400	182.300	206.500	249.400	268.400	275.700	261.300	290.800	280.500	229.900	175.900
6	123.500	132.200	183.100	206.800	250.000	269.200	275.500	262.400	291.600	279.000	229.700	174.000
7	123.300	132.400	184.000	207.700	250.900	270.500	275.200	262.800	292.400	276.900	228.100	172.100
8	123.200	133.000	184.800	208.400	251.600	271.300	275.400	263.600	293.300	275.500	226.500	170.700
9	123.100	133.400	185.600	209.300	252.300	272.800	274.300	264.800	294.400	273.600	224.600	169.000
10	123.200	133.800	186.300	210.200	253.100	273.800	274.300	265.900	295.500	272.600	223.500	167.430
11	123.400	134.600	187.100	210.600	253.800	274.900	273.500	267.600	296.100	271.600	222.200	165.500
12	124.500	135.700	187.700	211.400	254.400	275.600	273.200	269.900	296.900	270.900	220.600	164.300
13	123.800	136.600	188.400	212.200	255.000	276.300	272.600	271.400	297.200	270.300	218.900	162.700
14	124.100	140.700	189.200	213.000	255.800	277.300	271.900	273.400	297.700	269.300	217.000	161.300
15	124.400	144.600	190.000	214.100	256.400	278.100	271.400	275.000	298.000	268.100	215.200	160.200
16	124.600	147.600	190.700	215.600	257.300	278.100	270.600	276.000	298.600	265.900	213.300	159.000
17	124.700	150.600	191.600	217.800	257.700	278.100	270.000	278.100	299.000	264.900	211.200	157.900
18	124.800	153.600	191.900	220.100	258.400	278.200	269.200	278.800	299.000	263.400	209.100	156.700
19	125.000	155.700	192.700	223.700	259.200	278.400	268.200	279.200	299.000	262.000	207.000	155.400
20	125.000	158.400	193.500	226.500	259.800	278.300	267.500	279.400	298.300	260.300	205.000	154.100
21	125.200	160.900	194.200	229.900	260.600	278.000	267.200	279.400	297.600	258.300	202.600	152.900
22	125.700	162.800	194.800	232.700	260.900	277.700	266.400	279.400	296.600	256.400	201.000	151.600
23	126.100	164.900	195.600	234.700	261.400	277.200	265.600	278.800	295.600	254.400	198.900	150.400
24	125.900	166.700	196.200	236.400	262.000	277.000	264.600	278.300	295.300	252.500	196.800	149.300
25	126.200	168.200	196.700	238.000	262.500	276.700	265.100	277.900	294.400	250.600	194.900	147.900
26	126.700	169.400	197.500	239.500	263.100	276.400	264.800	278.200	293.200	248.400	193.300	146.800
27	127.100	171.200	198.100	240.600	263.600	276.100	264.500	278.500	292.000	246.800	191.600	145.200
28	127.500	172.600	198.700	241.900	264.100	276.000	263.700	279.200	290.800	244.700	189.800	144.100
29	127.900	174.300	200.000	243.000	------	275.500	263.400	280.400	289.000	242.800	188.000	142.800
30	128.500	175.600	200.600	244.100	------	275.600	262.800	282.700	287.900	241.000	186.000	145.000
31	128.900	------	201.200	245.600	------	275.000	------	284.900	------	238.900	184.300	------
MAX	128.900	175.600	201.200	245.600	264.100	278.400	275.700	284.900	299.000	286.000	237.200	182.300
MIN	123.100	129.300	177.000	202.300	245.700	264.600	262.800	260.800	286.600	238.900	184.300	142.800
(†)	4,140.22	4,148.29	4,151.95	4,157.26	4,159.19	4,160.23	4,159.06	4,161.12	4,161.38	4,156.53	4,149.58	4,142.64
(‡)	+2,200	+46,700	+25,600	+44,400	+18,500	+10,900	-12,200	+22,100	+3,000	-49,000	-54,600	-39,300

CAL YR 1973 MAX 300,600 MIN 123,100 ‡ +5,100
WTR YR 1974 MAX 299,000 MIN 123,100 ‡+18,300

† ELEVATION, IN FEET, AT END OF MONTH.
‡ CHANGE IN CONTENTS, IN ACRE-FEET.

10312150 Carson River below Lahontan Reservoir, near Fallon, Nev.

LOCATION.--Lat 39°27'50", long 119°02'45", in E½SE¼ sec.34, T.19 N., R.26 E., Churchill County, on left bank 1.1 mi (1.8 km) downstream from Lahontan Dam, and 15 mi (24 km) west of Fallon.

DRAINAGE AREA.--1,950 mi^2 (5,050 km^2), approximately (not counting inflow from Truckee Canal).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,040 ft (1,231 m), from topographic map.

AVERAGE DISCHARGE.--8 years, 560 ft^3/s (15.86 m^3/s), 405,700 acre-ft/yr (500 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,160 ft^3/s (32.8 m^3/s) July 19, gage height, 4.85 ft (1.478 m); minimum daily, 2.5 ft^3/s (0.071 m^3/s) Mar. 1-5.

Period of record: Maximum discharge, 2,300 ft^3/s (65.1 m^3/s) July 5, 6, 1967, gage height, 7.71 ft (2.350 m); minimum daily, 2.2 ft^3/s (0.062 m^3/s) Dec. 28, 1971.

REMARKS.--Records good except those below 10 ft^3/s (0.28 m^3/s), which are fair. Flow regulated by Lahontan Reservoir, capacity 295,100 acre-ft (364 hm^3) and other upstream regulations. One diversion, approximately 2,500 acre-ft per year (3.08 hm^3) between gage and Lahontan Reservoir.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	422	222	4.8	3.0	2.9	2.5	580	704	1,010	1,030	896	826
2	419	236	4.8	3.0	2.9	2.5	580	705	1,010	1,030	896	824
3	419	207	4.8	3.0	2.9	2.5	542	705	1,010	886	891	823
4	419	238	4.6	3.0	2.9	2.5	508	716	1,010	824	891	781
5	419	240	4.4	3.0	2.9	2.5	517	708	1,010	832	814	794
6	416	220	4.4	2.9	2.9	2.6	540	783	1,020	860	790	837
7	419	213	4.2	2.9	2.9	2.6	538	845	1,020	860	747	836
8	416	320	4.0	2.9	2.9	2.7	539	879	1,040	922	733	835
9	368	338	4.0	2.9	2.9	2.8	649	990	1,030	904	733	833
10	270	353	4.0	2.8	2.9	2.8	685	1,020	1,030	936	734	832
11	258	368	4.0	2.8	3.0	2.9	692	1,020	1,030	832	733	781
12	245	380	4.0	2.8	3.0	3.0	701	1,000	1,030	837	732	753
13	227	350	4.0	2.8	3.0	3.0	701	1,000	1,030	832	862	751
14	215	318	4.0	2.7	3.0	3.0	702	1,000	1,030	837	899	693
15	227	223	3.9	2.7	3.0	253	716	1,000	1,030	832	899	662
16	245	46	3.8	2.7	2.9	391	752	1,000	1,040	918	929	644
17	288	15	3.6	2.7	2.9	368	831	1,000	1,040	945	998	593
18	253	6.0	3.5	2.7	2.9	394	836	991	946	896	995	615
19	265	5.0	3.4	2.7	2.9	407	835	981	1,040	945	992	625
20	275	5.0	3.4	2.7	2.8	544	832	989	1,040	976	993	624
21	250	5.0	3.4	2.8	2.8	584	818	998	1,040	972	994	623
22	229	5.0	3.4	2.8	2.8	580	819	1,030	1,030	972	991	622
23	270	5.0	3.3	2.8	2.7	580	818	1,030	1,030	972	990	621
24	231	5.0	3.3	2.8	2.7	580	751	1,040	1,020	972	969	619
25	243	5.0	3.2	2.8	2.7	580	702	1,030	1,060	972	933	618
26	253	4.8	3.2	2.9	2.6	580	693	1,010	1,090	927	931	616
27	253	4.8	3.1	2.9	2.6	587	696	1,020	1,090	968	932	616
28	231	4.8	3.1	2.9	2.6	587	703	1,030	1,090	968	932	614
29	240	4.8	3.0	2.9	------	587	708	1,030	1,080	954	932	615
30	248	4.8	3.0	2.9	------	576	702	1,020	1,080	927	925	613
31	227	------	3.0	2.9	------	576	------	1,010	------	909	861	------
TOTAL	9,160	4,352.0	116.6	88.1	79.9	8,811.9	20,686	29,284	31,056	28,447	27,547	21,139
MEAN	295	145	3.76	2.84	2.85	284	690	945	1,035	918	889	705
MAX	422	380	4.8	3.0	3.0	587	836	1,040	1,090	1,030	998	837
MIN	215	4.8	3.0	2.7	2.6	2.5	508	704	946	824	732	593
AC-FT	18,170	8,630	231	175	158	17,480	41,030	58,080	61,600	56,420	54,640	41,930

CAL YR 1973 TOTAL 171,603.5 MEAN 470 MAX 1,210 MIN 3.0 AC-FT 340,400

WTR YR 1974 TOTAL 180,767.5 MEAN 495 MAX 1,090 MIN 2.5 AC-FT 358,600

Outfall from Newlands Project into Stillwater National Wildlife Refuge, near Fallon, Nev.

The following four canals, which are equipped with water-stage recorders, combined with 10312280 Carson River below Fallon (see next page), measure the total outfall from Newlands Project into Stillwater Wildlife Management Area, Canvasback Gun Club, and Carson Sink. Records are poor.

10312210 Stillwater Diversion Canal near Fallon, Nev.--Lat 39°28'25", long 118°35'50", in NE¼NE¼ sec.34, T.19 N., R.30 E., on right bank 0.2 mi (0.6 km) downstream from a channel to Stillwater Slough and 10 mi (16 km) east of Fallon.

10312220 Stillwater Slough Cutoff Drain near Stillwater, Nev.--Lat 39°33'05", long 118°31'40", in SE¼SW¼ sec.32, T.20 N., R.31 E., on left bank 0.9 mi (1.4 km) downstream from Stillwater Slough and 2.3 mi (3.7 km) north-northeast of Stillwater.

10312240 Paiute Diversion Drain neat Stillwater, Nev.--Lat 39°33'30", long 118°34'20", in SW¼NW¼ sec.36, T.20 N., R.30 E., on right bank 0.1 mi (0.2 km) downstream from diversion out of Paiute Drain and 3 mi (5km) northwest of Stillwater.

10312260 Indian Lakes Canal near Fallon, Nev.--Lat39°34'30", long 118°41'30", in NW¼NE¼ sec.26, T.20 N., R.29 E., on right bank between 2 lakes 8 mi (13 km) northeast of Fallon.

Records of monthly discharge of these canals, published as a group, are available from October 1966 to current year.

Outfall, in acre-feet, water year October 1973 to September 1974

Month	Stillwater Diversion Canal	Stillwater Slough Cutoff Drain	Paiute Diversion Drain	Indian Lakes Canal	Total
October . . .	1,880	2,430	145	1,250	5,700
November. . .	1,560	1,560	322	1,030	4,470
December. . .	1,070	346	70	809	2,300
Calendar year 1973	27,890	21,790	6,540	9,670	65,890
January . . .	811	263	38	990	2,100
February. . .	590	184	23	694	1,490
March	855	745	198	720	2,520
April	1,800	1,650	776	1,280	5,510
May	3,070	2,620	217	1,030	6,940
June.	3,150	2,650	1,430	829	8,060
July.	3,880	2,990	495	976	8,340
August. . . .	4,240	2,840	988	1,120	9,190
September . .	3,600	2,360	690	1,360	8,010
Water year 1973-74	26,510	20,640	5,390	12,090	64,630

10312280 Carson River below Fallon, Nev.

LOCATION.--Lat 39°40'10", long 118°39'20", in SE¼SW¼ sec.19, T.21 N., R.30 E., Churchill County, on right bank 15 mi (24 km) north-northeast of Fallon.

PERIOD OF RECORD.--October 1966 to June 1967 (monthly discharge only), July 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 3,880 ft (1,183 m), from topographic map.

AVERAGE DISCHARGE.--8 years, 53.5 ft^3/s (1.515 m^3/s), 38,760 acre-ft/yr (47.8 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 54 ft^3/s (1.53 m^3/s) June 28, gage height, 2.08 ft (0.634 m); no flow at times.
Period of record: Maximum discharge, 1,030 ft^3/s (29.2 m^3/s) July 9, 1967, gage height, 6.60 ft (2.012 m); no flow for many days in some years.

REMARKS.--Records poor. Natural flow affected by irrigation development above station (Newlands Project) and by storage in Lahontan Reservoir, capacity, 295,100 acre ft (364 hm^3). Records for this station together with the canals on preceding page represent the total outfall from Newlands Project into Stillwater Wildlife Management Area, Canvasback Gun Club, and Carson Sink.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.95	1.6	1.7	2.5	3.1	1.6	1.1	5.2	3.3	4.7	0	.12
2	.67	1.6	1.2	2.0	2.7	1.6	.55	7.5	2.7	1.8	.01	0
3	.32	1.1	1.0	2.1	2.5	1.2	2.3	1.8	13	2.0	1.4	.01
4	.22	.80	1.0	1.8	2.7	.95	3.8	.95	9.6	1.8	5.9	0
5	.15	1.2	1.1	1.8	2.3	.67	4.4	.45	4.5	1.2	3.9	0
6	.95	1.8	.95	1.7	1.4	.67	3.3	.15	4.2	.80	3.1	.32
7	2.3	4.9	.95	2.2	1.8	.67	1.6	.18	3.5	6.1	2.0	.15
8	4.4	3.5	.55	2.0	2.0	.80	3.5	1.8	2.7	3.1	4.4	.27
9	2.9	.67	.27	1.8	1.8	.80	11	3.8	3.5	1.7	2.9	1.2
10	1.7	.80	.22	1.8	2.0	.67	.67	3.8	6.0	3.5	.67	5.7
11	.95	6.5	.18	1.8	1.8	.67	2.3	3.1	10	4.0	1.6	3.1
12	3.1	11	.22	2.0	2.3	.55	2.5	2.0	9.9	5.7	.67	1.1
13	4.4	37	.18	2.5	2.3	.45	8.2	7.5	13	4.0	.27	.45
14	4.4	17	.12	2.8	2.3	.45	8.2	7.5	7.5	2.5	.10	.27
15	3.1	12	.12	4.8	2.0	.45	6.2	4.4	9.6	[illegible]	.05	2.0
16	2.0	12	.22	6.2	2.5	.45	4.0	4.4	9.2	[illegible]	0	3.1
17	1.4	15	1.8	6.5	2.3	.45	3.3	3.8	15	.05	.01	1.2
18	4.7	12	1.8	4.4	2.3	.38	5.4	3.5	9.2	0	0	.55
19	1.7	4.9	2.0	4.2	2.3	.38	4.2	11	4.9	0	0	.38
20	.80	3.1	2.5	4.0	2.0	.38	1.2	9.9	3.5	0	.01	.18
21	.55	2.7	2.5	3.8	1.8	4.2	.45	25	3.3	0	.32	.07
22	1.1	2.5	2.9	3.6	1.8	12	.22	31	2.3	0	.05	0
23	.80	2.3	2.5	3.8	1.4	7.5	.80	17	7.8	0	0	2.0
24	.80	2.0	2.4	3.5	1.4	4.2	.38	6.4	7.1	0	0	3.1
25	.80	1.6	2.5	3.3	1.4	4.9	.95	.55	6.2	0	.04	.67
26	.55	1.8	3.1	3.1	1.4	6.5	.67	.22	9.2	.27	4.2	.32
27	.45	1.8	3.3	2.9	1.6	8.5	1.6	.22	14	.05	2.7	4.7
28	.55	1.6	3.3	2.9	1.2	13	1.1	3.3	34	0	3.1	1.7
29	3.1	1.7	4.2	2.9	------	11	4.7	6.2	28	0	2.3	1.4
30	2.3	1.6	3.5	2.9	------	8.8	3.1	6.5	18	0	1.1	1.4
31	1.7	------	2.9	2.9	------	2.9	------	4.7	------	0	.45	------
TOTAL	53.41	168.27	51.18	94.5	56.4	97.74	91.69	183.82	274.7	45.19	41.25	35.46
MEAN	1.72	5.61	1.65	3.05	2.01	3.15	3.06	5.93	9.16	1.46	1.33	1.18
MAX	4.7	37	4.2	6.5	3.1	13	11	31	34	6.1	5.9	5.7
MIN	.15	.67	.12	1.7	1.2	.38	.22	.15	2.3	0	0	0
AC-FT	106	334	102	187	112	194	182	365	545	90	82	70

CAL YR 1973 TOTAL 2,944.56 MEAN 8.07 MAX 43 MIN 0 AC-FT 5,840
WTR YR 1974 TOTAL 1,193.61 MEAN 3.27 MAX 37 MIN 0 AC-FT 2,370

10315500 Marys River above Hot Springs Creek, near Deeth, Nev.

LOCATION.--Lat 41°15'10", long 115°15'20", in NE¼SE¼ sec.24, T.39 N., R.59 E., Elko County, on right bank 1 mi (1.6 km) upstream from Hot Springs Creek, 7 mi (11 km) north of Cross Ranch, and 13 mi (21 km) north of Deeth.

DRAINAGE AREA.--415 mi^2 (1,075 km^2).

PERIOD OF RECORD.--October 1943 to current year. Prior to October 1950, published as "below Hot Springs Creek, near Deeth."

GAGE.--Water-stage recorder. Altitude of gage is 5,500 ft (1,676 m) from river-profile map. Prior to Nov. 3, 1950, at site 1.2 mi (1.9 km) downstream at different datum. Nov. 3, 1950, to Sept. 30, 1967, water-stage recorder at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--31 years, 61.9 ft^3/s (1.753 m^3/s), 44,850 acre-ft/yr (55.3 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 621 ft^3/s (17.6 m^3/s) May 11, gage height, 5.60 ft (1.707 m); minimum, 1.1 ft^3/s (0.031 m^3/s) Sept. 6-9.

Period of record: Maximum discharge, 4,210 ft^3/s (119 m^3/s) Feb. 12, 1962, gage height, 7.63 ft (2.326 m), from rating curve extended above 1,000 ft^3/s (28.3 m^3/s) on basis of slope-area measurement of peak flow; no flow for part of each day Aug. 27-30, Sept. 2-5, 1967.

REMARKS.--Records excellent. Several diversions for irrigation of 7,150 acres (28.9 km^2), Humboldt Decree, above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	6.8	24	31	26	141	283	279	307	40	4.2	1.3
2	2.4	7.3	22	26	27	270	297	266	262	38	4.0	1.3
3	2.6	7.4	19	22	25	163	296	283	247	36	3.6	1.3
4	2.6	7.5	18	20	24	102	273	328	240	34	3.4	1.3
5	2.6	8.0	20	19	22	83	245	360	244	31	2.8	1.3
6	2.5	9.0	21	19	21	91	238	367	244	28	2.8	1.2
7	2.6	10	22	20	21	92	237	393	230	26	2.7	1.2
8	3.0	13	26	20	23	85	230	421	213	24	2.4	1.2
9	3.0	17	25	19	22	74	224	460	194	23	2.2	1.2
10	2.9	23	26	18	24	73	228	524	168	23	2.0	1.2
11	2.9	22	28	17	25	80	226	598	143	24	1.9	1.3
12	3.0	22	29	18	25	91	217	601	131	25	1.8	1.4
13	3.0	22	25	19	24	116	216	535	131	23	1.7	1.5
14	3.2	26	24	19	23	124	203	486	139	21	1.5	1.4
15	3.4	25	24	18	23	123	197	429	145	20	1.6	1.4
16	3.6	23	25	16	25	158	193	367	145	18	1.5	1.4
17	4.2	23	24	19	26	202	203	321	137	17	1.5	1.4
18	4.3	28	23	22	27	226	222	275	128	17	1.5	1.4
19	6.6	27	23	26	30	248	249	241	117	15	1.4	1.4
20	5.2	24	22	34	28	250	285	229	105	13	1.4	1.4
21	4.7	23	22	35	29	238	310	213	99	11	1.5	1.4
22	4.6	20	23	32	27	220	317	199	91	10	1.4	1.3
23	4.7	21	24	28	24	212	324	187	85	9.2	1.4	1.3
24	4.7	20	23	28	23	203	350	179	79	8.1	1.4	1.4
25	4.8	19	21	29	24	193	373	176	73	6.7	1.4	1.4
26	5.1	21	19	27	25	207	396	185	66	6.1	1.4	1.4
27	5.4	22	18	26	31	236	415	208	62	5.9	1.4	1.5
28	5.6	24	23	25	50	266	397	240	57	5.8	1.2	1.5
29	5.8	23	26	23	------	289	356	304	50	5.4	1.3	1.5
30	5.8	25	30	25	------	296	315	365	43	4.9	1.3	1.6
31	6.1	------	32	24	------	275	------	354	------	4.6	1.3	------
TOTAL	123.0	569.0	731	724	724	5,427	8,315	10,372	4,375	573.7	60.9	40.8
MEAN	3.97	19.0	23.6	23.4	25.9	175	277	335	146	18.5	1.96	1.36
MAX	6.6	28	32	35	50	296	415	601	307	40	4.2	1.6
MIN	2.1	6.8	18	16	21	73	193	176	43	4.6	1.2	1.2
AC-FT	244	1,130	1,450	1,440	1,440	10,760	16,490	20,570	8,680	1,140	121	81

CAL YR 1973 TOTAL 20,763.9 MEAN 56.9 MAX 357 MIN 1.3 AC-FT 41,190

WTR YR 1974 TOTAL 32,035.4 MEAN 87.8 MAX 601 MIN 1.2 AC-FT 63,540

PEAK DISCHARGE (BASE, 200 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
3-01	1900	4.28	356	4-27	1600	4.68	418
3-19	1800	3.79	258	5-11	2300	5.60	621
3-29	2300	4.06	305	5-30	1600	4.47	372

10316500 Lamoille Creek near Lamoille, Nev.

LOCATION.--Lat 40°41'30", long 115°28'30", in NE¼ sec.6, T.32 N., R.58 E., Elko County, on left bank at Lamoille Creek bridge at mouth of canyon and 3 mi (5 km) south of Lamoille.

DRAINAGE AREA.--25 mi^2 (65 km^2), approximately.

PERIOD OF RECORD.--May 1915 to June 1923, October 1943 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Concrete control since Oct. 30, 1950. Altitude of gage is 6,240 ft (1,902 m), from topographic map. Prior to Oct. 1, 1943, nonrecording gages at various sites nearby at different datums.

AVERAGE DISCHARGE.--38 years (1915-22, 1943-74), 43.8 ft^3/s (1.240 m^3/s), 31,730 acre-ft/yr (39.1 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 400 ft^3/s (11.3 m^3/s) June 14, gage height, 3.44 ft (1.049 m); minimum, 0.50 ft^3/s (0.014 m^3/s) Oct. 18.

Period of record: Maximum discharge recorded, 794 ft^3/s (22.5 m^3/s) June 4, 1957, caused by failure of diversion dam 200 ft (61 m) upstream, but may have been exceeded in June 1917 when gage washed out; minimum, 0.10 ft^3/s (0.003 m^3/s) Feb. 24, 1969.

REMARKS.--Records good except those for winter periods, which are poor. Records include flow of McDermott ditch, which diverts about 200 ft (60 m) upstream from station. Elko-Lamoille powerplant about 6 mi (10 km) upstream, was not used for the past few years and was completely removed this year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	6.2	6.0	5.8	4.9	6.1	15	38	253	132	24	6.2
2	4.3	5.8	5.9	5.5	4.5	5.6	14	43	261	129	23	6.0
3	4.6	5.4	5.6	5.4	4.6	5.2	14	45	269	108	20	5.9
4	5.0	5.2	5.5	5.4	5.1	4.8	13	49	263	98	19	5.6
5	5.0	5.4	5.7	5.6	4.8	5.1	14	60	252	94	19	5.4
6	5.0	5.0	5.9	5.8	4.8	5.3	14	79	234	90	19	5.2
7	5.0	5.5	5.7	5.6	4.9	5.1	13	102	208	84	18	5.0
8	7.0	6.6	5.1	5.4	4.8	5.3	13	140	169	75	17	4.8
9	5.8	5.4	5.4	5.3	4.9	5.7	14	185	170	69	16	4.7
10	5.4	4.9	5.5	5.2	5.0	6.1	13	185	191	69	15	4.5
11	5.4	5.4	5.9	5.1	5.0	6.9	13	169	220	59	14	5.0
12	5.8	8.2	5.9	5.1	4.9	7.2	13	168	253	55	13	5.2
13	5.8	5.9	6.2	5.3	4.9	7.5	13	149	283	56	13	5.1
14	5.8	5.5	6.0	5.6	4.9	8.4	13	138	308	56	12	5.0
15	6.2	5.7	6.0	5.9	4.9	11	13	132	313	57	12	4.8
16	6.6	5.6	5.8	6.4	5.1	12	13	124	306	56	11	4.7
17	6.6	5.8	6.0	6.1	5.0	12	14	122	294	53	10	4.5
18	6.2	6.5	5.7	5.5	5.0	13	16	119	292	49	9.8	4.4
19	6.6	6.1	6.0	6.2	5.0	13	17	113	268	48	9.5	4.2
20	6.6	6.0	6.0	5.8	4.8	13	17	101	227	47	10	4.3
21	6.6	5.9	6.3	5.3	5.0	13	18	92	205	44	9.7	4.2
22	6.6	6.3	6.2	5.2	4.9	13	20	89	199	39	9.0	4.2
23	7.0	6.4	6.1	5.3	4.7	13	24	93	192	39	8.4	4.1
24	6.2	6.1	6.1	4.9	4.5	14	29	110	185	37	8.0	4.0
25	4.2	5.6	5.8	4.9	4.6	14	32	142	174	34	7.7	3.9
26	4.2	5.7	5.8	5.0	4.6	15	35	201	157	33	7.3	3.8
27	4.2	6.0	6.0	4.9	4.7	14	34	279	142	30	7.1	3.9
28	4.2	6.2	6.0	4.9	5.2	14	32	319	137	29	7.1	4.2
29	4.6	5.9	7.3	4.8	------	15	32	302	138	28	6.8	4.4
30	4.2	5.7	7.4	4.9	------	15	32	265	137	26	6.5	4.2
31	4.2	------	6.6	4.7	------	15	------	249	------	25	6.3	------
TOTAL	169.2	175.9	185.4	166.8	136.2	313.3	567	4.402	6.702	1.848	388.2	141.4
MEAN	5.46	5.86	5.98	5.38	4.86	10.1	18.9	142	223	59.6	12.5	4.71
MAX	7.0	8.2	7.4	6.4	5.2	15	35	319	313	132	24	6.2
MIN	4.2	4.9	5.1	4.7	4.5	4.8	13	38	137	25	6.3	3.8
AC-FT	336	349	368	331	270	621	1.120	8.730	13.290	3.670	770	280

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CAL YR 1973  TOTAL 16.687.6   MEAN 45.7   MAX 542   MIN 3.8   AC-FT 33.100
WTR YR 1974  TOTAL 15.195.4   MEAN 41.6   MAX 319   MIN 3.8   AC-FT 30.140
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PEAK DISCHARGE (BASE, 310 CFS).--May 28 (0200) 368 cfs (3.40 ft); June 14 (2000) 400 cfs (3.44 ft).

10317400 North Fork Humboldt River near North Fork, Nev.

LOCATION.--Lat 41°34'30", long 115°54'40", in NW¼SE¼ sec.32, T.43 N., R.54 E., Elko County, on right bank above all diversions, 0.7 mi (1.1 km) downstream from Fry Canyon, 1 mi (2 km) upstream from Doheny Ranch, and 9 mi (14 km) northwest of North Fork.

DRAINAGE AREA.--11 mi^2 (28 km^2), approximately.

PERIOD OF RECORD.--Occasional low-flow measurements, water year 1965, August 1965 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,700 ft (2,042 m), from topographic map.

AVERAGE DISCHARGE.--9 years, 11.3 ft^3/s (0.320 m^3/s), 8,190 acre-ft/yr (10.1 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 122 ft^3/s (3.46 m^3/s) May 9, gage height, 3.70 ft (1.128 m); minimum, 0.20 ft^3/s (0.006 m^3/s) Sept. 26.

Period of record (revised): Maximum discharge, 152 ft^3/s (4.30 m^3/s) about Jan. 22, 1970, gage height, 4.43 ft (1.350 m); minimum, 0.20 ft^3/s (0.006 m^3/s) Dec. 17, Jan. 6, 7, 1970, Sept. 26, 1974.

REMARKS.--Records fair. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.70	2.2	2.8	2.2	3.7	4.9	20	51	40	9.3	2.2	.77
2	.70	2.2	2.7	2.1	3.5	7.3	19	59	40	8.5	2.2	.77
3	.80	2.2	2.6	2.0	3.9	8.5	16	59	41	8.0	2.1	.75
4	.90	2.1	2.6	2.1	3.6	6.8	14	58	42	7.6	2.0	.70
5	.90	2.3	2.5	2.2	3.3	6.1	15	64	41	7.4	2.0	.68
6	.70	2.6	2.7	2.2	3.0	5.6	16	69	37	7.2	2.1	.65
7	.80	2.7	3.0	2.1	3.2	5.2	16	75	32	6.9	2.1	.58
8	.80	2.8	3.1	2.0	3.6	5.0	18	78	25	6.6	2.0	.55
9	.80	2.8	2.4	1.8	3.6	4.9	21	88	22	6.6	2.0	.52
10	.50	2.8	2.6	1.6	3.5	5.5	20	86	24	7.1	1.8	.50
11	.60	2.7	2.9	1.6	3.7	7.4	18	74	26	8.0	1.7	.57
12	.60	2.8	2.8	1.9	3.8	9.9	18	66	29	7.0	1.7	.64
13	.50	2.9	2.6	2.1	3.6	12	16	57	29	6.0	1.7	.65
14	.50	2.7	2.6	2.3	3.5	13	17	49	28	5.5	1.7	.66
15	.50	2.7	2.7	3.4	3.6	33	21	43	27	6.0	1.6	.74
16	.60	2.7	2.7	12	3.8	37	27	35	26	5.2	1.6	.72
17	.60	2.6	2.7	16	3.7	37	36	30	26	4.8	1.4	.63
18	.60	2.9	2.5	12	3.7	35	47	28	24	4.6	1.3	.58
19	.60	3.1	2.2	12	3.5	29	48	24	22	4.5	1.3	.56
20	.70	2.5	2.4	9.8	3.6	25	39	21	20	4.3	1.3	.59
21	.90	2.5	2.6	7.6	3.6	22	38	20	18	4.0	1.3	.58
22	1.1	2.6	2.6	6.0	3.5	20	47	23	17	3.7	1.2	.49
23	1.8	2.7	2.3	6.7	3.3	18	58	28	15	3.4	1.1	.40
24	2.0	2.7	2.1	6.1	3.1	18	79	39	14	3.2	1.0	.46
25	1.8	2.5	2.0	5.4	3.5	20	74	48	13	3.0	1.0	.47
26	1.8	2.4	2.0	4.5	3.6	21	59	59	12	2.7	1.0	.34
27	2.0	2.7	2.2	4.1	3.5	20	45	68	11	2.6	.90	.45
28	2.0	2.8	2.4	4.8	3.6	20	34	67	10	2.6	.80	.46
29	2.0	2.9	2.7	4.5	------	20	31	57	9.8	2.5	.80	.51
30	2.0	2.8	2.6	4.4	------	22	38	49	9.5	2.3	.85	.52
31	2.1	------	2.4	4.2	------	21	------	43	------	2.2	.81	------
TOTAL	32.90	78.9	79.0	151.7	99.1	520.1	965	1,615	730.3	163.3	46.56	17.49
MEAN	1.06	2.63	2.55	4.89	3.54	16.8	32.2	52.1	24.3	5.27	1.50	.58
MAX	2.1	3.1	3.1	16	3.9	37	79	88	42	9.3	2.2	.77
MIN	.50	2.1	2.0	1.6	3.0	4.9	14	20	9.5	2.2	.80	.34
AC-FT	65	156	157	301	197	1,030	1,910	3,200	1,450	324	92	35

CAL YR 1973 TOTAL 3,285.96 MEAN 9.00 MAX 82 MIN .40 AC-FT 6,520
WTR YR 1974 TOTAL 4,499.35 MEAN 12.3 MAX 88 MIN .34 AC-FT 8,920

PEAK DISCHARGE (BASE, 65 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
4-24	2030	3.47	103	5-27	1800	3.30	79
5-09	1930	3.70	122				

10317500 North Fork Humboldt River at Devils Gate, near Halleck, Nev.

LOCATION.--Lat 41°11'00", long 115°29'00", in SE¼ sec.13, T.38 N., R.57 E., Elko County, on right bank 500 ft (150 m) downstream from Devils Gate Canyon, 16 mi (26 km) north of Halleck, and 26 mi (42 km) upstream from mouth. Prior to Oct. 12, 1973, at site 250 ft (76 m) downstream.

DRAINAGE AREA.--830 mi² (2,150 km²), approximately.

PERIOD OF RECORD.--October 1913 to December 1921, October 1943 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is 5,368 ft (1,636.2 m) above mean sea level (Geological Survey planetable bench mark). November 1913 to September 1921 at site 0.2 mi (0.3 km) upstream at different datum. Oct. 16, 1943, to Mar. 20, 1970, at present site at same datum. Mar. 21, 1970, to Oct. 11, 1973, at site 250 ft (76 m) upstream at same datum.

AVERAGE DISCHARGE.--39 years, 74.0 ft³/s (2.096 m³/s), 53,610 acre-ft/yr (66.1 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,360 ft³/s (66.8 m³/s) Mar. 2, gage height, 10.33 ft (3.148 m), from high-water mark; minimum 3.9 ft³/s (0.11 m³/s) Aug. 30, 31.

Period of record: Maximum discharge, 10,400 ft³/s (295 m³/s) Feb. 11, 1962, gage height, 16.12 ft (4.913 m), from high-water mark in well, from rating curve extended above 2,000 ft³/s (56.6 m³/s) on basis of slope-area measurement of peak flow; minimum, 1.1 ft³/s (0.031 m³/s) July 26, 1960.

REMARKS.--Records good except those for winter months, and period of no gage-height record which are poor. Many diversions for irrigation of 16,600 acres (67.2 km²), Humboldt Decree, above station.

REVISIONS (WATER YEARS).--WSP 1314: 1913 (M), 1946.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	15	23	17	40	600	346	205	191	24	6.6	4.3
2	8.4	15	22	13	35	1,000	418	207	177	27	6.9	4.3
3	9.0	15	21	14	35	750	473	223	152	26	6.9	4.3
4	9.0	14	19	12	30	200	408	239	146	26	6.6	4.5
5	9.2	16	18	10	35	170	386	236	145	25	6.3	4.5
6	8.3	18	19	11	33	190	376	229	149	24	6.6	4.5
7	9.5	18	20	9.0	40	214	323	242	160	23	6.6	4.5
8	9.5	19	20	8.5	45	144	289	253	125	21	6.6	4.5
9	9.2	19	19	9.0	45	116	291	269	136	19	6.0	4.5
10	8.3	19	19	9.5	50	121	277	297	127	19	6.0	4.5
11	8.6	19	21	9.0	55	218	242	345	105	21	5.7	4.5
12	8.0	19	20	10	60	310	259	359	83	21	5.4	4.7
13	8.3	19	22	12	69	400	236	336	72	21	5.4	4.9
14	8.3	19	21	14	65	296	221	323	67	19	5.1	4.9
15	8.6	19	21	20	75	386	225	299	66	16	5.1	5.2
16	8.6	19	23	60	80	604	227	275	64	15	4.7	5.8
17	8.9	19	22	112	76	696	238	250	62	15	4.7	5.8
18	8.9	21	21	88	74	656	257	221	62	15	4.8	6.1
19	9.5	21	21	119	76	531	273	191	58	15	4.7	6.0
20	9.8	20	20	84	70	435	285	167	57	14	5.1	5.6
21	11	19	21	54	70	374	281	164	54	12	5.0	5.4
22	11	17	22	51	66	340	273	154	54	11	4.7	5.6
23	12	18	20	60	64	328	279	138	54	10	4.4	6.0
24	13	17	19	65	60	296	279	133	52	9.6	4.3	6.3
25	13	16	17	65	65	298	281	129	46	8.9	4.3	6.5
26	13	17	16	60	75	346	291	114	36	7.9	4.3	6.8
27	14	19	25	60	99	428	293	128	32	7.6	4.3	6.9
28	13	21	35	55	200	498	299	149	30	7.9	4.3	7.2
29	14	22	53	50	------	428	271	179	27	6.9	4.2	6.8
30	14	23	56	55	------	388	238	208	24	6.9	4.1	6.6
31	14	------	40	47	------	382	------	210	------	6.9	4.0	------
TOTAL	318.3	552	736	1,263.0	1,787	12,143	8,837	6,870	2,613	501.6	163.7	162.0
MEAN	10.3	18.4	23.7	40.7	63.8	392	295	222	87.1	16.2	5.28	5.40
MAX	14	23	56	119	200	1,000	473	359	191	27	6.9	7.2
MIN	8.0	14	16	8.5	30	116	221	114	24	6.9	4.0	4.3
AC-FT	631	1,090	1,460	2,510	3,540	24,090	17,530	13,630	5,180	995	325	321

CAL YR 1973 TOTAL 23,094.1 MEAN 63.3 MAX 396 MIN 4.5 AC-FT 45,810
WTR YR 1974 TOTAL 35,946.6 MEAN 98.5 MAX 1,000 MIN 4.0 AC-FT 71,300

PEAK DISCHARGE (BASE, 170 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
3-02	unk.	10.33	2,360	5-11	2400	5.99	368
3-17	0200	7.24	796	5-30	2000	5.21	214
3-28	0800	6.63	566				

NOTE.--No gage-height record Feb. 12 to Mar. 4.

10318500 Humboldt River near Elko, Nev.

LOCATION.--Lat 40°36'00", long 115°38'00", in SE¼NE¼ sec.11, T.35 N., R.56 E., Elko County, on right bank 1 mi (1.6 km) southwest of Ryndon, 1.5 mi (2.4 km) upstream from Jackson Creek, 5 mi (8 km) downstream from North Fork, and 10 mi (16 km) northeast of Elko.

DRAINAGE AREA.--2,800 mi^2 (7,252 km^2), approximately.

PERIOD OF RECORD.--June 1895 to October 1902, October 1944 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,142.32 ft (1,567.379 m) above mean sea level, datum of 1929. June 1895 to October 1902, nonrecording gage at site 11 mi (18 km) downstream at different datum.

AVERAGE DISCHARGE.--37 years, 237 ft^3/s (6.712 m^3/s), 171,700 acre-ft/yr (212 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,520 ft^3/s (43.0 m^3/s) Mar. 3, gage height, 6.90 ft (2.103 m); minimum, 1.3 ft^3/s (0.037 m^3/s) Sept. 10.

Period of record: Maximum discharge, 7,070 ft^3/s (200 m^3/s) Feb. 13, 1962, gage height, 12.3 ft (3.75 m); no flow for many days in August and September 1948.

REMARKS.--Records good. Diversions for irrigation of 95,800 acres (388 km^2), Humboldt Decree, above station.

REVISIONS.--WSP 1714: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	68	80	149	189	346	758	553	539	108	10	1.5
2	9.7	67	74	112	184	670	802	499	580	100	9.4	1.5
3	9.9	69	73	92	189	1,340	866	481	590	95	8.4	1.5
4	9.9	67	70	89	182	804	920	484	619	91	7.3	1.5
5	9.6	68	71	95	184	525	875	481	639	81	6.9	1.5
6	8.3	75	77	105	180	570	831	453	651	77	6.3	1.5
7	7.2	75	82	100	166	614	783	463	659	75	6.0	1.5
8	10	75	77	93	154	667	726	497	647	67	5.5	1.5
9	13	73	72	90	148	552	689	529	612	61	4.7	1.5
10	19	68	70	90	146	488	682	555	557	60	4.3	1.5
11	16	67	72	91	144	486	644	606	497	62	3.9	1.5
12	17	63	73	94	150	549	618	681	411	62	3.6	1.5
13	17	59	69	100	150	613	608	722	391	53	3.3	1.5
14	18	62	74	115	150	656	570	769	379	48	3.0	1.5
15	18	57	75	125	152	606	547	820	373	43	2.8	1.5
16	21	54	72	148	166	711	538	843	356	41	2.5	1.5
17	50	53	69	189	194	861	524	788	339	46	2.4	1.5
18	56	57	72	194	194	941	518	721	326	47	2.3	1.5
19	61	66	76	343	220	940	522	659	310	44	2.2	1.5
20	67	61	74	385	203	868	517	618	286	36	2.0	1.5
21	66	57	76	411	191	767	531	577	260	31	1.9	1.5
22	68	56	76	388	180	713	531	550	240	26	1.9	1.5
23	72	60	79	351	168	681	562	497	235	24	1.8	1.5
24	64	66	77	297	156	656	554	449	213	22	1.7	1.5
25	70	61	72	295	166	622	550	395	192	20	1.7	1.6
26	64	60	70	255	149	631	561	356	166	16	1.6	1.6
27	69	66	75	250	196	700	595	308	148	16	1.6	1.6
28	70	78	90	213	225	770	650	277	160	15	1.5	1.6
29	70	81	149	218	------	791	669	313	162	15	1.5	1.6
30	71	85	194	210	------	760	628	376	128	13	1.5	1.7
31	73	------	218	201	------	735	------	474	------	12	1.5	------
TOTAL	1,212.8	1,976	2,648	5,888	4,876	21,587	19,369	16,793	11,686	1,507	115.1	45.7
MEAN	39.1	65.8	85.4	190	174	696	646	542	389	48.6	3.71	1.52
MAX	73	85	218	411	225	1,340	920	843	659	108	10	1.7
MIN	7.2	53	69	89	146	346	517	277	128	12	1.5	1.5
AC-FT	2,400	3,920	5,250	11,670	9,670	42,820	38,420	33,310	23,180	2,990	228	91

CAL YR 1973 TOTAL 112,238.10 MEAN 308 MAX 1,530 MIN .75 AC-FT 222,600
WTR YR 1974 TOTAL 87,696.80 MEAN 240 MAX 1,340 MIN 1.5 AC-FT 173,900

10320000 South Fork Humboldt River above Dixie Creek, near Elko, Nev.

LOCATION.--Lat 40°41'03", long 115°48'45", in NW¼SW¼ sec.5, T.32 N., R.55 E., Elko County, on left bank 1.5 mi (2.4 km) upstream from Dixie Creek and 10.5 mi (16.9 km) south of Elko.

DRAINAGE AREA.--1,150 mi^2 (2,978 km^2), approximately.

PERIOD OF RECORD.--October 1948 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 5,140 ft (1,567 m), from topographic map.

AVERAGE DISCHARGE.--26 years, 115 ft^3/s (3.257 m^3/s), 83,320 acre-ft/yr (103 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 570 ft^3/s (16.1 m^3/s) May 29, gage height, 3.98 ft (1.213 m); maximum gage height, 4.10 ft (1.250 m) Jan. 22 (backwater from ice); minimum discharge, 4.4 ft^3/s(0.12 m^3/s) Sept. 10, 11, 12.

Period of record: Maximum discharge, 2,760 ft^3/s (78.2 m^3/s) Feb. 11, 1962, gage height, 7.2 ft (2.19 m), from rating curve extended above 2,000 ft^3/s (56.6 m^3/s) on basis of slope-area measurement of peak flow; minimum daily, 0.10 ft^3/s (0.003 m^3/s) Sept. 9, 1959.

REMARKS.--Records excellent except those for winter months, which are poor. Diversions for irrigation of 36,200 acres (147 km^2), Humboldt Decree, above station.

REVISIONS (WATER YEARS).--WSP 1284: 1952 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	21	35	46	56	92	116	114	500	128	17	7.2
2	9.7	21	35	32	54	120	143	118	496	132	18	7.2
3	9.9	22	35	31	55	119	152	123	495	117	18	7.0
4	11	21	33	31	60	88	142	127	517	107	17	7.0
5	11	22	33	31	52	79	130	130	506	102	17	6.8
6	10	24	35	31	50	88	118	146	485	86	16	6.1
7	11	25	38	32	48	109	109	169	472	84	16	4.9
8	16	25	46	31	49	101	105	229	408	76	15	4.8
9	17	23	44	30	49	90	106	300	360	75	11	4.7
10	14	23	43	29	49	85	116	373	333	76	11	4.5
11	14	23	46	28	49	87	114	353	345	82	10	4.4
12	14	25	44	28	49	92	112	351	360	68	9.4	4.5
13	15	26	44	29	51	97	106	328	401	61	8.9	4.8
14	14	27	41	31	53	97	96	295	430	56	8.2	4.8
15	15	26	38	40	54	109	93	262	452	59	8.1	5.0
16	15	26	39	165	63	136	93	239	444	59	8.2	5.1
17	14	27	39	359	70	145	97	210	436	49	8.0	5.1
18	13	30	39	371	64	158	108	197	418	45	7.8	5.1
19	13	31	39	348	70	149	126	190	384	39	7.8	5.3
20	15	31	38	323	76	137	139	215	342	36	7.5	5.3
21	16	29	47	260	73	127	134	223	303	33	7.4	5.6
22	17	29	52	210	67	120	129	209	275	31	7.5	5.6
23	17	30	37	170	61	115	127	182	249	26	7.5	5.7
24	14	29	36	148	56	110	131	155	223	24	7.8	5.9
25	14	28	34	155	60	106	136	167	196	24	7.8	5.9
26	17	28	33	136	66	110	144	216	177	21	7.7	5.9
27	20	30	34	120	77	119	146	331	159	21	7.5	5.9
28	19	31	54	115	76	120	139	478	141	21	7.5	6.5
29	20	33	98	115	-------	113	126	547	128	18	7.5	6.5
30	20	34	94	117	-------	113	117	542	127	18	7.5	6.5
31	20	-------	76	86	-------	108	-------	519	-------	17	7.3	-------
TOTAL	455.1	800	1,379	3,678	1,657	3,439	3,646	8,039	10,562	1,791	322.9	169.6
MEAN	14.7	26.7	44.5	119	59.2	111	122	259	352	57.8	10.4	5.65
MAX	20	34	98	371	77	158	152	547	517	132	18	7.2
MIN	9.5	21	33	28	48	79	93	114	127	17	7.3	4.4
AC-FT	903	1,590	2,740	7,300	3,290	6,820	7,230	15,950	20,950	3,550	640	336

CAL YR 1973 TOTAL 62,237.2 MEAN 171 MAX 1,270 MIN 6.4 AC-FT 123,400
WTR YR 1974 TOTAL 35,938.6 MEAN 98.5 MAX 547 MIN 4.4 AC-FT 71,280

PEAK DISCHARGE (BASE, 400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-17	2200	3.81	494	6-15	0700	3.86	499
5-29	1000	3.98	570				

10321000 Humboldt River near Carlin, Nev.

LOCATION.--Lat 40°43'40", long 116°00'30", in SE¼SE¼ sec.21, T.33 N., R.53 E., Elko County, on right bank 1.0 mi (1.6 km) downstream from Tonka Creek, 4.5 mi (7.2 km) southwest of Moleen, 5 mi (8 km) upstream from Susie Creek, 5.5 mi (8.8 km) east of Carlin, and 15 mi (24 km) southwest of Elko.

DRAINAGE AREA.--4,310 mi^2 (11,160 km^2), approximately.

PERIOD OF RECORD.--October 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,931.91 ft (1,503.246 m) above mean sea level (levels by State Highway Department).

AVERAGE DISCHARGE.--31 years, 341 ft^3/s (9.657 m^3/s), 247,100 acre-ft/yr (305 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,130 ft^3/s (32.0 m^3/s) Mar. 5, gage height, 4.18 ft (1.274 m); minimum, 5.2 ft^3/s (0.15 m^3/s) Aug. 30.

Period of record: Maximum discharge, 6,160 ft^3/s (174 m^3/s) Feb. 14, 1962, gage height, 10.21 ft (3.112 m); minimum, 0.1 ft^3/s (0.003 m^3/s) Aug. 16, 1959.

Flood of Feb. 28, 1910, estimated to have reached 15,000 ft^3/s (425 m^3/s), based on reported stage and comparison with Humboldt River at Palisade.

REMARKS.--Records good. Many diversions for irrigation of 143,000 acres (579 km^2), Humboldt Decree, above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	90	117	162	249	303	906	756	845	234	39	10
2	17	93	120	123	223	452	985	697	898	218	38	10
3	16	94	105	110	207	631	1.010	640	952	203	37	9.8
4	17	93	94	110	210	789	1.030	623	974	189	35	9.3
5	16	95	92	115	208	999	1.070	616	1.000	179	32	8.8
6	17	98	106	135	176	815	1.070	614	1.020	163	32	10
7	19	100	109	131	188	692	1.030	606	1.020	151	31	13
8	24	105	111	121	184	708	972	613	982	149	31	13
9	26	104	105	119	182	723	915	696	935	157	28	12
10	26	101	99	115	182	678	871	788	875	152	27	12
11	24	100	106	114	183	617	840	831	829	157	26	12
12	28	100	97	111	182	605	823	850	793	148	24	12
13	31	102	110	100	191	652	773	886	733	138	23	12
14	31	96	114	94	197	691	745	905	729	128	22	13
15	32	94	103	120	203	773	714	913	727	120	20	13
16	33	97	103	149	218	804	681	937	711	118	19	13
17	32	96	109	212	228	837	667	961	689	110	15	13
18	32	101	119	299	247	945	662	954	665	103	13	14
19	55	103	117	369	261	1.040	667	898	619	100	13	13
20	61	94	101	397	286	1.080	687	858	580	92	13	13
21	69	96	112	355	264	1.070	677	825	542	86	13	13
22	74	91	128	320	257	1.000	677	769	504	79	12	14
23	79	88	129	347	248	902	657	720	464	70	13	14
24	82	95	117	350	242	829	653	651	426	63	16	14
25	84	94	112	314	225	819	667	584	380	58	13	14
26	85	86	91	341	237	797	684	559	343	55	10	14
27	87	92	106	279	270	811	704	585	314	50	9.8	13
28	89	100	129	272	278	824	722	665	279	48	10	14
29	90	102	166	231	------	868	744	690	256	46	10	15
30	91	108	274	240	------	920	760	759	255	42	9.4	15
31	90	------	201	254	------	920	------	789	------	40	9.4	------
TOTAL	1.476	2.908	3.702	6.509	6.226	24.594	24.063	23.238	20.339	3.646	643.6	375.9
MEAN	47.6	96.9	119	210	222	793	802	750	678	118	20.8	12.5
MAX	91	108	274	397	286	1.080	1.070	961	1.020	234	39	15
MIN	16	86	91	94	176	303	653	559	255	40	9.4	8.8
AC-FT	2.930	5.770	7.340	12.910	12.350	48.780	47.730	46.090	40.340	7.230	1.280	746

CAL YR 1973 TOTAL 174.708.2 MEAN 479 MAX 2.340 MIN 8.0 AC-FT 346.500
WTR YR 1974 TOTAL 117.720.5 MEAN 323 MAX 1.080 MIN 8.8 AC-FT 233.500

10322500 Humboldt River at Palisade, Nev.

LOCATION.—Lat 40°36'25", long 116°12'05", in SE¼SE¼ sec.35, T.32 N., R.51 E., Eureka County, on right bank 0.2 mi (0.3 km) downstream from Southern Pacific Railroad bridge, 0.5 mi (0.8 km) downstream from Palisade, and 0.8 mi (1.3 km) upstream from Pine Creek.

DRAINAGE AREA.—5,010 mi^2 (12,980 km^2), approximately.

PERIOD OF RECORD.—October 1902 to October 1906, July 1911 to current year. Monthly discharge only for some periods published in WSP 1314.

GAGE.—Water-stage recorder. Datum of gage is 4,825.55 ft (1,470.828 m) above mean sea level, datum of 1929. Prior to Apr. 1, 1939, nonrecording gages (water-stage recorder Apr. 22 to June 3, 1935) at several sites within half a mile of present site at various datums.

AVERAGE DISCHARGE.—67 years (1902-6, 1911-74) 367 ft^3/s (10.39 m^3/s), 265,900 acre-ft/yr (328 hm^3/yr).

EXTREMES.—Current year: Maximum discharge, 1,320 ft^3/s (37.4 m^3/s) Mar. 20, gage height, 4.67 ft (1.423 m); minimum, 16 ft^3/s (0.45 m^3/s) Sept. 6.

Period of record: Maximum discharge, 6,610 ft^3/s (187 m^3/s) Feb. 12, 1962, gage height, 10.0 ft (3.05 m); minimum, 2 ft^3/s (0.057 m^3/s) Aug. 23-28, 1931.

Maximum stage known, about 17 ft (5.2 m), present datum, about Feb. 28, 1910, from old photographs and written statements of resident witnesses, discharge, about 17,000 ft^3/s (481 m^3/s), from rating curve extended above 7,000 ft^3/s (200 m^3/s), by logarithmic plotting.

REMARKS.—Records good. Diversions for irrigation of 148,000 acres (599 km^2), Humboldt Decree, of hay and pasture land above station.

REVISIONS (WATER YEARS).—WSP 1514, 1903-4, 1912, 1914.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	111	142	204	295	471	1,080	888	802	274	55	22
2	34	113	146	170	274	862	1,240	838	868	256	55	23
3	31	115	133	140	253	765	1,280	772	922	235	53	22
4	31	115	119	140	247	802	1,240	755	952	221	51	20
5	31	115	109	150	244	976	1,260	740	982	210	50	20
6	32	121	129	165	204	1,000	1,260	730	994	194	50	17
7	34	125	137	160	221	838	1,210	730	1,000	181	47	18
8	43	127	137	150	224	814	1,150	715	988	171	45	23
9	45	129	131	143	221	814	1,100	790	952	174	43	22
10	47	127	123	140	218	802	1,050	886	910	171	42	22
11	47	125	123	139	218	766	1,010	952	844	171	40	22
12	45	127	115	133	221	784	994	958	820	171	40	22
13	50	129	137	113	221	868	940	988	772	157	37	22
14	51	127	137	111	238	868	904	1,010	750	150	35	23
15	51	119	131	135	238	1,060	868	1,010	745	142	35	23
16	51	123	125	184	268	1,120	820	1,020	735	139	34	24
17	53	123	131	399	277	1,150	802	1,030	715	131	32	24
18	53	131	144	431	289	1,240	802	1,020	695	123	26	23
19	58	131	142	455	316	1,290	826	982	660	119	24	22
20	71	119	121	574	353	1,300	862	940	620	111	26	22
21	80	119	131	463	328	1,280	844	898	588	106	28	23
22	87	119	150	415	313	1,180	832	838	556	100	26	23
23	92	111	153	435	304	1,080	820	784	520	92	24	23
24	98	119	146	419	295	1,000	808	690	480	85	24	23
25	98	113	135	378	271	970	826	598	443	78	26	23
26	104	107	119	388	277	952	844	574	399	75	26	26
27	106	119	119	346	316	994	868	570	339	71	22	28
28	109	119	186	319	346	1,010	886	625	304	68	23	28
29	109	127	268	289	-------	1,040	892	675	283	66	23	28
30	109	133	313	283	-------	1,090	892	735	280	63	22	28
31	111	-------	241	292	-------	1,090	-------	760	-------	58	22	-------
TOTAL	1,995	3,638	4,573	8,263	7,490	30,236	29,210	25,501	20,918	4,363	1,084	689
MEAN	64.4	121	148	267	268	975	974	823	697	141	35.0	23.0
MAX	111	133	313	574	353	1,300	1,280	1,030	1,000	274	55	28
MIN	31	107	109	111	204	471	802	570	280	58	22	17
AC-FT	3,960	7,220	9,070	16,390	14,860	59,970	57,940	50,580	41,490	8,650	2,150	1,370

CAL YR 1973 TOTAL 191,275 MEAN 524 MAX 2,460 MIN 17 AC-FT 379,400
WTR YR 1974 TOTAL 137,960 MEAN 378 MAX 1,300 MIN 17 AC-FT 273,600

10323500 Humboldt River near Argenta, Nev.

LOCATION.--Lat 40°40'45", long 116°38'45", in SE¼NW¼ sec.2, T.32 N., R.47 E., Lander County, on left bank 3 mi (4.8 km) east of Argenta and 15.5 mi (24.9 km) east of Battle Mountain.

DRAINAGE AREA.--7,490 mi² (19,400 km²), approximately.

PERIOD OF RECORD.--February 1946 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,580 ft (1,396 m), from topographic map.

AVERAGE DISCHARGE.--28 years, 323 ft³/s (9.15 m³/s), 234,000 acre-ft/yr (289 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,220 ft³/s (34.6 m³/s) Mar. 20, 21, gage height, 6.81 ft (2.076 m); minimum 0.88 ft³/s (0.02 m³/s) Sept. 9-11, 26.

Period of record: Maximum discharge, 6,000 ft³/s (170 m³/s) Feb. 15, 1962, gage height, 10.78 ft (3.286 m) on basis of measured flow at adjacent sites (includes flow bypassing gage outside of main channel); maximum gage height, 11.08 ft (3.377 m) May 2, 1952; minimum daily discharge, 0.20 ft³/s (0.006 m³/s) Sept. 15 to Oct. 17, 1955.

REMARKS.--Records good. Many diversions above station for irrigation. Records do not include flow in secondary channels or ditches, much of which is used for irrigation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	95	118	282	284	317	1,020	681	554	215	32	2.2
2	5.4	96	123	192	284	676	1,020	670	581	206	25	1.9
3	5.4	98	129	158	267	666	1,140	636	610	189	19	1.7
4	5.4	98	125	138	261	649	1,170	597	658	175	16	1.5
5	5.4	96	110	138	260	727	1,140	577	688	165	15	1.3
6	5.1	100	108	138	230	869	1,150	572	711	153	13	1.2
7	5.4	108	116	151	210	863	1,150	567	726	151	12	1.1
8	6.5	105	123	152	220	769	1,130	557	733	149	11	1.1
9	7.3	104	125	143	216	756	1,060	562	726	145	10	1.0
10	12	105	121	140	219	755	980	604	706	139	9.7	1.0
11	21	108	118	134	216	748	898	674	676	140	8.7	1.0
12	21	108	114	132	216	731	886	718	631	130	7.9	1.0
13	21	108	114	128	216	764	840	713	610	128	7.6	1.0
14	20	110	123	125	215	783	817	745	570	121	7.3	1.0
15	20	108	121	128	225	814	790	757	563	117	6.8	1.0
16	20	106	123	148	228	967	753	765	557	108	6.1	1.0
17	21	108	118	180	261	997	799	780	541	102	5.6	1.0
18	23	112	123	270	259	1,050	842	791	526	100	5.0	1.0
19	22	116	125	390	276	1,150	876	781	508	97	4.6	1.0
20	23	114	133	475	303	1,190	890	761	483	92	4.5	1.0
21	26	118	127	502	320	1,210	701	740	479	82	4.3	1.0
22	32	108	125	441	303	1,180	691	719	476	78	4.6	1.0
23	42	106	133	377	293	1,100	679	671	437	73	4.3	1.0
24	61	106	136	347	280	1,010	665	624	410	69	3.8	1.0
25	74	108	135	383	278	951	661	565	377	63	3.6	1.0
26	80	108	135	354	262	915	664	506	360	60	3.2	1.0
27	82	106	129	360	263	908	666	475	317	56	3.0	1.0
28	85	106	123	338	290	935	672	467	276	51	2.7	1.1
29	87	108	154	319	------	967	682	488	229	44	2.7	1.1
30	89	114	216	290	------	991	692	503	225	37	2.6	1.0
31	93	------	274	279	------	1,020	------	528	------	33	2.6	------
TOTAL	1,026.3	3,185	4,097	7,732	7,106	27,135	25,335	19,811	15,926	3,468	262.6	34.2
MEAN	33.1	106	132	249	254	875	845	639	531	112	8.47	1.14
MAX	93	118	274	502	320	1,210	1,170	791	733	215	32	2.2
MIN	5.1	95	108	125	210	317	661	467	225	33	2.6	1.0
AC-FT	2,040	6,320	8,130	15,340	14,090	53,820	50,250	39,300	31,590	6,880	521	68

CAL YR 1973 TOTAL 173,947.4 MEAN 477 MAX 2,090 MIN 5.1 AC-FT 345,000
WTR YR 1974 TOTAL 115,116.1 MEAN 315 MAX 1,210 MIN 1.0 AC-FT 228,300

10324500 Rock Creek near Battle Mountain, Nev.

LOCATION.--Lat 40°49'30", long 116°34'45", in SW¼SE¼ sec.17, T.34 N., R.48 E., Eureka County, on left bank at mouth of canyon, 22 mi (35.4 km) northeast of Battle Mountain.

DRAINAGE AREA.--875 mi² (2,266 km²), approximately.

PERIOD OF RECORD.--March to July 1896, March 1918 to September 1925 (fragmentary October 1923 to April 1925), March 1927 to May 1929 (fragmentary), October 1945 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 4,600 ft (1,402 m), estimated from nearby U.S. Coast and Geodetic Survey bench mark. Prior to Mar. 26, 1918, nonrecording gage at site about 11 mi (17.7 km) upstream at different datum. Mar. 26, 1918, to Oct. 28, 1970, water-stage recorder at site 0.4 mi (0.6 km) upstream, at the following datums: at different datum Mar. 26, 1918, to Jan. 3, 1946, at datum 9.45 ft (2.880 m) higher Jan. 4, 1946, to July 23, 1964, at datum 7.35 ft (2.240 m) higher July 23, 1964, to Oct. 31, 1968, and at datum 6.34 ft (1.932 m) higher Nov. 1, 1968, to Oct. 28, 1970.

AVERAGE DISCHARGE.--34 years (1918-23, 1945-74), 32.9 ft³/s (0.932 m³/s), 23,840 acre-ft/yr (29.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, about 570 ft³/s (16.1 m³/s) Jan. 18; maximum gage height, 6.38 ft (1.945 m) Jan. 17 (from outside high-water mark, backwater from ice); no flow Aug. 13-21.

Period of record: Maximum discharge, 4,800 ft³/s (136 m³/s) Feb. 11, 1962, gage height, 6.89 ft (2.100 m), from rating curve extended above 2,500 ft³/s (70.8 m³/s) on basis of slope-area measurement of peak flow; no flow at times in July, August, September, and October nearly every year.

REMARKS.--Records good except those for winter months, which are poor. Several diversions for irrigation of 4,380 acres (17.7 km²), Humboldt Decree, in valleys upstream. Station is above all diversions in Boulder Flat and below all tributaries. Flow slightly affected by small reservoir in Squaw Valley, 30 mi (48 km) upstream, and by Willow Creek Reservoir, usable capacity, 18,000 acre-ft (22.2 hm³).

REVISIONS (WATER YEARS).--WSP 1214: 1950 (M); WSP 1714: 1959.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.87	3.0	6.7	7.0	24	117	117	64	22	.97	.17	.10
2	.87	2.8	6.1	5.0	20	226	194	50	23	.97	.13	.17
3	.87	3.0	4.5	5.5	17	148	238	48	23	.78	.35	.17
4	.97	2.5	4.5	4.5	20	77	200	50	22	.62	.30	.17
5	.97	2.8	4.3	5.0	18	58	186	53	22	.48	.21	.21
6	.97	4.3	5.6	5.4	15	63	191	57	24	.35	.30	.10
7	1.2	5.3	6.0	5.4	15	102	191	55	24	.30	.78	.10
8	1.7	5.6	4.5	5.0	16	85	180	50	24	.30	.62	.21
9	1.8	5.0	3.0	4.5	17	62	172	50	25	.41	.30	.17
10	1.4	4.5	4.1	4.3	18	62	172	56	24	2.0	.13	.17
11	1.3	4.1	5.0	4.2	19	118	158	61	23	2.1	.07	.13
12	1.2	4.1	8.3	4.5	20	188	150	62	22	.97	.04	.22
13	1.2	3.8	6.7	5.5	20	198	143	59	21	.55	0	.26
14	1.2	4.1	5.8	7.0	19	164	132	61	19	.78	0	.35
15	1.2	4.1	5.5	13	19	176	124	59	18	.87	0	.41
16	1.2	4.5	6.1	70	23	219	117	55	16	.70	0	.46
17	1.2	5.3	5.8	200	27	207	115	50	15	.48	0	.42
18	1.2	6.7	5.5	365	23	191	99	47	13	.35	0	.35
19	1.7	6.4	5.5	283	20	178	98	46	10	.30	0	.34
20	2.1	3.4	6.0	241	23	147	106	49	7.3	.21	0	.33
21	2.3	4.5	8.3	114	17	127	98	49	6.4	.17	0	.34
22	2.3	5.0	6.4	56	17	111	92	45	5.6	.17	.10	.35
23	2.5	5.0	7.6	32	18	102	92	40	4.1	.13	.13	.38
24	2.0	4.8	6.7	34	14	93	89	39	3.4	.07	.13	.38
25	2.5	4.5	4.5	53	16	89	89	36	3.2	.07	.10	.42
26	2.6	3.6	5.0	48	18	92	90	33	3.0	.07	.07	.43
27	2.5	5.0	4.3	30	24	107	89	32	2.6	.10	.07	.35
28	2.6	5.6	12	20	41	114	92	27	2.1	.17	.07	.39
29	3.0	5.2	21	29	------	107	84	24	1.7	.10	.04	.47
30	2.6	5.8	15	35	------	101	75	19	1.4	.17	.07	.54
31	3.0	------	10	33	------	102	------	19	------	.21	.07	------
TOTAL	53.02	134.3	210.3	1,720.8	550	3,931	3,973	1,445	430.8	15.92	4.25	8.89
MEAN	1.71	4.48	6.78	55.8	19.9	127	132	46.6	14.4	.51	.14	.30
MAX	3.0	6.7	21	365	41	226	238	64	25	2.1	.78	.54
MIN	.87	2.5	3.0	4.2	14	58	75	19	1.4	.07	0	.10
AC-FT	105	266	417	3,430	1,110	7,800	7,880	2,870	854	32	8.4	18

CAL YR 1973 TOTAL 11,120.42 MEAN 30.5 MAX 194 MIN .04 AC-FT 22,060
WTR YR 1974 TOTAL 12,493.28 MEAN 34.2 MAX 365 MIN 0 AC-FT 24,780

PEAK DISCHARGE (BASE, 75 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-18	UNK.	UNK.	about 570	3-13	1300	4.02	250
3-02	1230	4.60	411	4-03	1000	6.03	255
3-07	1700	3.48	129				

10325000 Humboldt River at Battle Mountain, Nev.

LOCATION.--Lat 40°40'00", long 116°55'50", in NE¼NW¼ sec.8, T.32 N., R.45 E., Lander County, 30 ft (9 m) downstream from bridge on State Highway 18A, on left bank 2 mi (3 km) north of Battle Mountain. Reese River enters Humboldt River several miles below station.

DRAINAGE AREA.--8,870 mi^2 (22,970 km^2), approximately.

PERIOD OF RECORD.--May 1896 to December 1897, March 1921 to April 1924, October 1945 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 4,500 ft (1,372 m), from topographic map. Prior to Mar. 1, 1921, nonrecording gage 1.3 mi (2.1 km) upstream and Mar. 1, 1921, to Apr. 19, 1924, nonrecording gage 0.8 mi (1.3 km) upstream, both at different datums. Oct. 1945 to Sept. 20, 1972, water-stage recorder at site 1.0 mi (1.6 km) upstream at datum 4.79 ft (1.460 m) higher.

AVERAGE DISCHARGE.--32 years (1896-97, 1921-23, 1945-74), 336 ft^3/s (9.516 m^3/s), 243,400 acre-ft/yr (300 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,360 ft^3/s (38.5 m^3/s) Mar. 21, gage height, 7.25 ft (2,210 m); maximum gage height, 7.65 ft (2.332 m), backwater from ice; minimum discharge, 3.4 ft^3/s (0.10 m^3/s) Sept. 27, 28, 29.

Period of record: Maximum daily discharge, 5,800 ft^3/s (164 m^3/s) May 3, 4, 1952 (includes flow bypassing gage outside of main channel); no flow Sept. 8 to Oct. 22, 1948, Sept. 21-26, 1949, Sept. 21-27, 1959.

REMARKS.--Records good except those for winter periods, which are poor. Records prior to 1969 (except the maximum for the period of record) do not always include flow in secondary channels or ditches at medium-high stages, much of which was used for irrigation. Many diversions above station for irrigation of 194,000 acres (785 km^2) Humboldt Decree.

REVISIONS (WATER YEARS).--WSP 1564: 1897-98, 1923.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	98	122	308	360	317	1,140	767	547	278	21	6.4
2	10	100	122	270	361	375	1,140	757	550	258	21	5.9
3	10	104	128	240	350	540	1,200	739	589	246	19	5.7
4	10	106	130	210	334	564	1,320	727	611	235	17	5.7
5	10	106	130	170	325	628	1,330	703	628	220	16	5.4
6	10	110	120	155	300	742	1,320	673	647	206	16	5.0
7	11	114	124	158	280	851	1,320	649	658	196	16	5.0
8	13	122	132	170	265	807	1,300	641	669	186	15	4.7
9	17	124	136	180	270	770	1,260	625	676	180	14	4.7
10	13	122	136	170	268	782	1,190	626	676	177	13	4.5
11	15	122	134	160	270	801	1,120	656	667	179	13	4.4
12	18	124	132	158	268	804	1,070	686	648	160	12	4.5
13	21	128	130	155	264	804	1,040	708	615	146	11	4.4
14	22	126	128	150	260	859	1,020	745	585	137	11	4.3
15	20	120	136	145	265	921	979	762	556	128	10	4.3
16	20	128	138	145	275	1,020	938	791	535	117	9.6	4.3
17	21	128	138	160	286	1,110	900	868	522	108	9.2	4.3
18	21	152	136	230	295	1,190	852	853	510	100	8.9	4.1
19	24	142	144	320	310	1,280	830	855	493	95	8.2	4.0
20	24	136	154	430	319	1,340	823	852	483	88	7.8	3.9
21	24	132	156	520	334	1,360	826	828	471	76	7.8	3.9
22	27	130	148	600	337	1,330	823	798	467	66	7.5	3.9
23	35	130	154	620	321	1,250	801	762	457	55	7.5	3.7
24	39	128	164	530	316	1,170	772	712	441	50	7.4	3.6
25	55	125	164	470	311	1,090	742	663	414	46	7.3	3.6
26	70	128	156	500	301	1,040	735	585	390	42	7.3	3.6
27	74	128	154	460	289	1,030	747	542	372	38	7.0	3.5
28	78	118	156	450	300	1,020	750	508	336	34	6.9	3.4
29	84	114	174	430	------	1,040	751	508	311	31	6.6	3.5
30	86	120	204	400	------	1,070	755	512	285	27	6.5	3.5
31	84	------	279	390	------	1,100	------	532	------	23	6.4	------
TOTAL	976	3,665	4,559	9,454	8,434	29,005	29,794	21,633	15,809	3,928	346.9	131.7
MEAN	31.5	122	147	305	301	936	993	698	527	127	11.2	4.39
MAX	86	152	279	620	361	1,360	1,330	868	676	278	21	6.4
MIN	10	98	120	145	260	317	735	508	285	23	6.4	3.4
AC-FT	1,940	7,270	9,040	18,750	16,730	57,530	59,100	42,910	31,360	7,790	688	261

CAL YR 1973 TOTAL 173,330.0 MEAN 475 MAX 1,980 MIN 10 AC-FT 343,800
WTR YR 1974 TOTAL 127,735.6 MEAN 350 MAX 1,360 MIN 3.4 AC-FT 253,400

10325500 Reese River near Ione, Nev.

LOCATION.--Lat 38°51'00", long 117°28'00", in NW¼ sec.3, T.11 N., R.40 E., Nye County, on right bank 2.5 mi (4.0 km) upstream from Indian Creek, 8 mi (13 km) southeast of Ione, and 58 mi (93 km) southwest of Austin.

DRAINAGE AREA.--53 mi^2 (137 km^2), approximately.

PERIOD OF RECORD.--August 1951 to current year.

GAGE.--Water-stage recorder. Concrete control since Oct. 3, 1956. Altitude of gage is 7,100 ft (2,164 m), from topographic map. Prior to Sept. 9, 1955, at site 200 ft (61 m) upstream at datum 2.85 ft (0.869 m) higher.

AVERAGE DISCHARGE.--23 years, 10.9 ft^3/s (0.309 m^3/s), 7,900 acre-ft/yr (9.74 hm^3/yr).

EXTREMES.--Current year: Maximum daily discharge, 50 ft^3/s (1.42 m^3/s) May 10-12; maximum gage height, 1.71 ft (0.521 m), backwater from ice; minimum discharge, 0.28 ft^3/s (0.008 m^3/s) Dec. 1, result of freezeup.

Period of record: Maximum discharge, 512 ft^3/s (14.5 m^3/s) July 27, 1956, gage height, 4.86 ft (1.481 m), from rating curve extended above 45 ft^3/s (1.27 m^3/s) on basis of slope-area measurement of peak flow; no flow at times in some years.

REMARKS.--Records good except those for winter periods and no gage-height record, which are poor. No diversion above station.

REVISIONS.--WSP 1927: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	2.4	1.0	1.5	2.8	3.2	12	13	37	7.1	3.6	1.8
2	2.0	2.3	1.5	1.0	3.2	3.0	10	14	34	6.5	2.3	1.9
3	2.0	2.0	2.0	1.5	3.0	2.0	8.6	17	31	6.2	2.2	2.0
4	2.0	1.2	2.0	2.0	3.2	1.8	7.8	19	29	5.8	2.0	2.0
5	2.0	2.4	2.5	2.5	3.4	3.0	9.0	22	28	5.7	2.2	1.8
6	2.0	2.1	2.6	2.7	2.5	3.8	9.0	25	26	5.5	2.5	1.7
7	2.3	2.3	2.8	2.7	2.5	3.4	8.6	32	24	5.5	2.4	1.6
8	3.2	2.3	3.0	3.0	2.5	2.4	9.8	37	22	5.8	2.4	1.6
9	2.8	2.3	3.0	2.5	2.5	3.8	11	43	21	5.9	2.3	1.7
10	2.1	2.3	3.2	2.5	2.5	4.2	8.6	50	16	6.3	2.2	1.8
11	2.3	2.6	3.8	2.5	2.7	5.0	9.4	50	16	5.5	2.2	1.8
12	2.4	3.6	3.2	3.0	3.0	5.5	9.8	50	16	4.8	2.1	1.8
13	2.4	2.6	4.0	3.5	3.0	5.5	8.2	48	15	4.4	2.1	1.8
14	2.4	2.8	2.3	3.7	4.0	7.8	9.0	45	14	4.4	2.0	1.8
15	2.3	2.6	2.6	4.5	3.0	9.8	9.8	42	13	4.7	2.0	1.6
16	2.4	2.8	4.0	5.0	2.8	9.4	11	39	13	5.0	1.9	1.6
17	2.4	2.8	3.0	4.5	2.5	9.4	12	39	12	4.4	1.8	1.5
18	2.4	2.8	2.8	4.0	2.7	9.4	14	36	11	3.9	1.7	1.6
19	2.4	1.8	3.4	4.0	2.8	8.2	13	34	12	3.6	1.6	1.6
20	2.4	2.1	3.2	4.0	2.5	8.6	12	32	11	3.7	1.4	1.7
21	2.4	3.6	3.4	3.0	2.3	8.6	12	26	11	3.6	1.5	1.6
22	2.3	2.8	3.2	2.5	2.3	9.0	13	24	10	3.4	1.6	1.7
23	2.4	3.8	2.6	3.0	2.3	9.0	13	21	9.8	3.6	1.7	1.8
24	2.3	3.5	2.6	3.2	2.5	9.4	13	20	9.3	3.9	1.8	1.9
25	2.3	2.8	2.5	3.5	3.0	10	13	21	8.8	4.1	2.0	2.0
26	2.1	3.2	2.0	3.0	2.6	11	13	26	8.6	3.6	2.0	2.0
27	2.3	3.6	3.6	3.0	2.4	11	12	32	8.2	3.0	2.1	2.0
28	2.3	3.8	3.4	3.0	2.6	11	12	40	7.7	2.7	2.1	2.0
29	2.0	3.8	3.4	2.8	------	11	11	45	7.3	2.9	2.1	1.9
30	2.0	3.0	3.0	3.2	------	11	13	45	7.0	3.2	2.1	2.0
31	2.3	------	1.5	3.4	------	9.8	------	42	------	4.1	2.0	------
TOTAL	70.7	82.0	87.1	94.2	77.1	220.0	327.6	1,028	488.7	142.8	63.9	53.6
MEAN	2.28	2.73	2.81	3.04	2.75	7.10	10.9	33.2	16.3	4.61	2.06	1.79
MAX	3.2	3.8	4.0	5.0	4.0	11	14	50	37	7.1	3.6	2.0
MIN	1.8	1.2	1.0	1.0	2.3	1.8	7.8	13	7.0	2.7	1.4	1.5
AC-FT	140	163	173	187	153	436	650	2,040	969	283	127	106

CAL YR 1973 TOTAL 8,172.00 MEAN 22.4 MAX 205 MIN .98 AC-FT 16,210
WTR YR 1974 TOTAL 2,735.70 MEAN 7.50 MAX 50 MIN 1.0 AC-FT 5,430

Peak discharge (base, 130 cfs).--No peaks above base.

NOTE.--No gage-height record Jan. 2-28, May 1 to June 10, and Aug. 2 to Sept. 30.

10327500 Humboldt River at Comus, Nev.

LOCATION.--Lat 41°00'00", long 117°19'00", in SE¼ sec.14, T.36 N., R.41 E., Humboldt County, on left bank at Comus siding of Southern Pacific Railroad, 1.0 mi (1.6 km) upstream from Kelley Creek, 9 mi (14 km) northeast of Golconda, and 32 mi (51 km) northwest of Battle Mountain.

DRAINAGE AREA.--12,100 mi^2 (31,300 km^2), approximately.

PERIOD OF RECORD.--October 1894 to December 1909, September 1910 to September 1926, October 1945 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "near Golconda" prior to October 1917.

GAGE.--Water-stage recorder. Datum of gage is 4,359.9 ft (1,328.90 m) above mean sea level (from Soil Conservation Service reference mark). Prior to Sept. 25, 1917, nonrecording gages at several sites about 10 mi (16 km) downstream at different datums. Sept. 25, 1917, to June 30, 1923, and May 23, 1925, to May 31, 1926, nonrecording gages at several sites within 0.5 mi (0.8 km) of present site at different datum.

AVERAGE DISCHARGE.--60 years, 289 ft^3/s (8.184 m^3/s), 209,400 acre-ft/yr (258 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,000 ft^3/s (28.3 m^3/s) Apr. 12, 13, gage height, 6.80 ft (2.073 m); minimum, 0.36 ft^3/s (0.010 m^3/s) Sept. 13.

Period of record: Maximum discharge, 5,860 ft^3/s (166 m^3/s) May 6, 1952, gage height, 11.52 ft (3.511 m); no flow at times in some years.

REMARKS.--Records good. Many diversions above station for irrigation, Humboldt Decree, 206,000 acres (834 km^2); additional acreage not covered by decree.

REVISIONS (WATER YEARS).--WSP 1514: 1921-22, 1926. WSP 1314: 1904, 1907-8, 1911-13, 1916-17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	63	112	210	324	274	875	628	440	296	46	.90
2	1.5	66	116	260	312	302	892	488	434	284	41	.80
3	1.4	69	116	205	314	328	907	512	434	264	38	.80
4	1.2	74	118	175	310	434	919	530	436	256	34	.60
5	1.2	78	110	150	290	555	913	525	442	248	30	.50
6	1.4	82	105	135	284	575	916	552	448	240	28	.40
7	2.5	84	110	130	276	635	934	558	450	226	25	.40
8	4.4	86	112	130	254	688	943	550	464	206	24	.40
9	3.7	90	116	135	256	708	964	525	478	202	21	.40
10	4.0	92	120	140	256	685	982	508	485	200	20	.40
11	4.4	96	119	135	248	678	994	505	488	200	18	.40
12	7.6	96	117	132	244	680	1,000	505	488	188	16	.40
13	9.0	96	115	125	242	675	994	508	482	180	15	.40
14	8.0	97	122	123	240	662	955	525	488	166	13	.40
15	10	99	119	128	240	672	919	550	478	155	13	.40
16	14	101	125	140	242	710	886	560	462	144	12	.40
17	15	102	128	155	248	735	855	575	448	120	11	.40
18	15	105	131	175	252	755	768	610	464	118	9.0	.40
19	15	108	124	200	272	768	780	618	452	112	7.6	.40
20	17	115	120	256	282	785	758	635	432	99	6.7	.40
21	18	112	120	394	294	802	740	655	436	93	5.8	.40
22	19	109	122	436	312	815	718	652	434	88	4.9	.40
23	20	108	125	436	322	828	708	655	422	82	4.4	.40
24	20	108	126	422	314	838	688	645	416	75	3.4	.40
25	26	106	127	384	306	852	670	632	398	69	2.7	.40
26	28	104	124	422	298	865	650	622	388	66	2.1	.40
27	35	108	122	448	292	875	630	608	364	61	1.9	.40
28	46	109	122	442	280	880	632	565	344	59	1.7	.40
29	52	112	122	432	------	878	640	522	330	55	1.4	.40
30	55	106	130	416	------	870	648	498	316	52	1.2	.40
31	59	------	160	364	------	870	------	485	------	48	1.1	------
TOTAL	516.0	2,881	3,755	7,835	7,804	21,677	24,878	17,506	13,041	4,652	458.9	13.60
MEAN	16.6	96.0	121	253	279	699	829	565	435	150	14.8	.45
MAX	59	115	160	448	324	880	1,000	655	488	296	46	.90
MIN	1.2	63	105	123	240	274	630	485	316	48	1.1	.40
AC-FT	1,020	5,710	7,450	15,540	15,480	43,000	49,350	34,720	25,870	9,230	910	27

CAL YR 1973 TOTAL 160,779.20 MEAN 440 MAX 1,570 MIN 1.2 AC-FT 318,900
WTR YR 1974 TOTAL 105,017.50 MEAN 288 MAX 1,000 MIN .40 AC-FT 208,300

10329000 Little Humboldt River near Paradise Valley, Nev.

LOCATION.—Lat 41°24'55", long 117°22'22", in NW¼SE¼ sec.20, T.41 N., R.41 E., Humboldt County, on right bank 3.5 mi (5.6 km) downstream from Bullshead Ranch and 9.5 mi (15.3 km) southeast of Paradise Valley.

DRAINAGE AREA.—1,030 mi² (2,670 km²), approximately.

PERIOD OF RECORD.—October 1921 to June 1928 (fragmentary), October 1943 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.—Water-stage recorder. Altitude of gage is 4,470 ft (1,362 m) from river-profile map. Prior to Nov. 21, 1946, water-stage recorder at site 1 mi (1.6 km) downstream at different datum. Nov. 21, 1946, to Aug. 16, 1972, at site 250 ft (76 m) upstream at datum 2.21 ft (0.674 m) higher.

AVERAGE DISCHARGE.--36 years (1921-23, 1924-27, 1943-74), 25.6 ft³/s (0.725 m³/s), 18,550 acre-ft/yr (22.9 hm³/yr).

EXTREMES.—Current year: Maximum discharge, 232 ft³/s (6.57 m³/s) Jan. 18, gage height, 3.87 ft (1.180 m); minimum daily, 5.3 ft³/s (0.150 m³/s) Sept. 9.

Period of record: Maximum discharge, 2,380 ft³/s (67.4 m³/s) Jan. 21, 1969, gage height, 8.40 ft (2.560 m); minimum, 0.46 ft³/s (0.013 m³/s) Aug. 25, 1973, probably result of temporary blockage upstream.

REMARKS.—Records good. Chimney Dam (capacity, 35,000 acre-ft), 10 mi upstream, was completed late in 1974, probably having little or no effect on this year's record. Diversions for irrigation of 4,450 acres (18.0 km²) Little Humboldt Decree, above station. Station is above all diversions in Paradise Valley.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	7.5	10	9.6	20	14	75	58	32	7.9	6.3	5.4
2	6.7	7.5	9.8	8.5	18	18	76	57	28	7.7	6.3	5.4
3	6.7	7.5	9.0	7.8	16	53	105	63	26	7.4	6.3	5.5
4	6.9	7.2	8.5	7.8	15	50	110	70	23	7.3	6.3	5.6
5	6.8	7.2	8.3	7.8	14	36	80	72	22	7.1	6.3	5.6
6	6.9	7.8	8.5	7.8	12	29	71	71	22	6.9	6.3	5.5
7	6.9	7.5	9.6	7.8	12	33	79	72	21	6.8	6.3	5.4
8	7.0	7.4	9.6	7.8	12	55	82	73	20	6.9	6.3	5.4
9	7.0	7.3	9.6	7.4	12	42	74	74	19	7.1	6.3	5.3
10	6.9	7.4	9.2	7.2	12	32	71	79	18	7.8	6.3	5.4
11	7.0	7.4	9.9	6.9	13	26	75	86	17	7.5	6.3	5.6
12	7.2	7.6	9.6	6.9	13	50	72	87	16	8.5	6.3	5.7
13	7.2	7.5	9.6	7.2	14	74	67	83	14	8.5	6.1	5.9
14	7.2	7.5	10	7.4	15	98	64	81	13	8.2	6.0	6.0
15	7.2	7.5	10	12	14	80	59	74	12	7.8	6.0	6.2
16	7.2	7.7	9.6	18	15	82	56	67	12	7.4	6.0	6.3
17	7.2	8.6	10	96	15	126	57	63	11	7.0	6.0	6.3
18	7.2	9.2	11	192	15	141	58	59	10	6.7	6.0	6.3
19	7.2	8.8	9.6	155	16	130	84	56	9.8	6.7	6.2	6.4
20	7.2	8.7	8.8	114	16	120	104	52	9.5	6.3	6.3	6.4
21	7.3	8.6	9.2	85	15	105	112	49	9.3	6.3	6.0	6.4
22	7.3	8.3	10	50	14	95	94	46	9.2	6.3	6.0	6.5
23	7.5	8.5	11	32	14	85	81	42	9.1	6.7	5.8	6.4
24	7.5	8.9	11	27	13	77	78	38	8.9	6.7	5.7	6.5
25	7.5	8.8	9.6	30	13	70	81	35	8.7	6.7	5.6	6.7
26	7.4	8.5	8.8	29	13	72	82	34	8.8	6.3	5.6	6.7
27	7.5	8.5	8.8	25	13	73	80	34	8.7	6.3	5.6	6.7
28	7.5	9.5	10	20	14	75	74	33	8.4	6.7	5.5	6.7
29	7.5	9.2	12	17	------	75	68	34	8.2	6.7	5.5	6.7
30	7.5	9.6	12	19	------	73	63	34	8.1	6.4	5.4	6.7
31	7.5	------	10	19	------	73	------	34	------	6.3	5.4	------
TOTAL	222.3	243.2	302.6	1,047.9	398	2,162	2,332	1,810	442.7	218.9	186.3	181.6
MEAN	7.17	8.11	9.76	33.8	14.2	69.7	77.7	58.4	14.8	7.06	6.01	6.05
MAX	7.5	9.6	12	192	20	141	112	87	32	8.5	6.3	6.7
MIN	6.7	7.2	8.3	6.9	12	14	56	33	8.1	6.3	5.4	5.3
AC-FT	441	482	600	2,080	789	4,290	4,630	3,590	878	434	370	360

CAL YR 1973 TOTAL 9,932.9 MEAN 27.2 MAX 194 MIN 4.4 AC-FT 19,700
WTR YR 1974 TOTAL 9,547.5 MEAN 26.2 MAX 192 MIN 5.3 AC-FT 18,940

NOTE.—No gage-height record Mar. 20 to Apr. 5, Aug. 18 to Sept. 24.

10329500 Martin Creek near Paradise Valley, Nev.

LOCATION.--Lat 41°32'00", long 117°25'40", in NW¼SW¼ sec.12, T.42 N., R.40 E., Humboldt County, on left bank 0.6 mi (1.0 km) upstream from Humboldt County Recreation Park and 7 mi (11 km) northeast of Paradise Valley.

DRAINAGE AREA.--172 mi² (445 km²).

PERIOD OF RECORD.--October 1921 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 4,700 ft (1,433 m), from extension of river-profile map. Prior to Oct. 22, 1946, water-stage recorder at several sites within 400 ft (122 m) of present site at different datums.

AVERAGE DISCHARGE.--53 years, 31.6 ft³/s (0.895 m³/s), 22,890 acre-ft/yr (28.2 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 880 ft³/s (24.9 m³/s) Jan. 15, gage height, 3.76 ft (1.146 m); minimum, 3.9 ft³/s (0.11 m³/s) Feb. 6.

Period of record: Maximum discharge, 9,000 ft³/s (255 m³/s) Jan. 21, 1943, gage height, 11.1 ft (3.38 m) site and datum then in use, on basis of slope-area measurement of peak flow; minimum, 1.8 ft³/s (0.051 m³/s) Feb. 6, 1945.

REMARKS.--Records good. Diversion for irrigation of 40 acres (162,000 m²), Little Humboldt Decree, above station.

REVISIONS (WATER YEARS).--WSP 1514: 1925-27 (M), 1930 (M), 1933 (M), 1938 (M), 1940, 1945.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	8.2	11	7.9	16	201	140	105	78	10	4.8	4.3
2	6.1	8.3	9.6	5.0	12	108	147	125	74	10	5.7	4.3
3	6.2	8.1	9.1	6.6	13	35	107	130	71	10	5.3	4.3
4	6.6	7.6	8.6	6.0	14	23	103	121	71	9.3	5.0	4.3
5	6.7	8.4	11	7.0	11	31	111	130	68	8.4	4.7	4.3
6	6.8	9.3	11	7.6	11	62	104	144	62	8.1	4.6	4.3
7	7.2	11	11	7.6	12	43	92	158	57	7.8	6.2	4.2
8	7.6	15	10	7.0	13	35	92	195	52	8.4	5.8	4.2
9	7.2	12	9.3	6.5	13	24	98	222	47	11	5.3	4.2
10	7.2	10	9.1	6.6	13	56	92	213	44	16	5.0	4.3
11	7.2	9.7	11	7.0	13	96	87	192	42	16	4.7	4.5
12	7.2	12	10	7.5	14	126	87	180	40	12	4.7	4.7
13	7.2	14	11	9.0	16	82	81	148	38	9.4	4.5	4.7
14	7.1	12	10	12	14	84	77	130	36	8.0	4.5	4.9
15	7.1	11	10	192	17	174	80	121	34	7.4	4.5	5.1
16	7.1	11	11	150	21	178	84	109	32	6.9	4.5	5.1
17	7.1	13	11	185	15	170	95	100	30	6.5	4.5	5.1
18	7.2	17	12	69	16	153	114	90	27	6.2	4.5	5.1
19	7.2	13	8.8	231	19	127	116	83	25	6.2	4.5	5.1
20	7.6	10	12	66	15	118	101	75	24	5.9	4.7	5.1
21	7.8	11	12	29	14	103	94	69	23	5.6	5.1	5.1
22	7.8	11	12	26	12	98	103	66	21	5.6	4.8	5.1
23	8.3	11	11	29	12	90	125	71	19	5.5	4.8	5.1
24	8.4	10	8.8	23	13	92	126	77	17	5.3	4.5	5.1
25	7.9	7.9	9.5	20	15	99	113	88	16	4.9	4.5	5.1
26	7.9	11	6.0	17	16	94	100	97	14	5.0	4.5	5.2
27	7.5	11	12	16	14	104	91	109	14	5.0	4.5	5.2
28	7.6	10	15	17	34	94	83	112	12	5.0	4.5	5.3
29	7.9	10	22	15	------	93	75	102	11	4.8	4.3	5.3
30	7.9	10	18	17	------	100	85	93	11	5.0	4.3	5.3
31	8.0	------	11	16	------	94	------	85	------	4.7	4.3	------
TOTAL	226.7	323.5	343.8	1,221.3	418	2,987	3,003	3,740	1,110	239.9	148.1	143.9
MEAN	7.31	10.8	11.1	39.4	14.9	96.4	100	121	37.0	7.74	4.78	4.80
MAX	8.4	17	22	231	34	201	147	222	78	16	6.2	5.3
MIN	6.1	7.6	6.0	5.0	11	23	75	66	11	4.7	4.3	4.2
AC-FT	450	642	682	2,420	829	5,920	5,960	7,420	2,200	476	294	285

CAL YR 1973 TOTAL 10,936.9 MEAN 30.0 MAX 300 MIN 4.5 AC-FT 21,690
WTR YR 1974 TOTAL 13,905.2 MEAN 38.1 MAX 231 MIN 4.2 AC-FT 27,580

PEAK DISCHARGE (BASE, 200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-15	1730	3.76	880	3-15	2300	2.28	267
1-19	0500	2.60	388	4-01	2100	2.29	273
3-01	1900	3.05	584	5-09	0600	2.16	234

10332500 Humboldt-Lovelock Irrigation, Light & Power Co.'s feeder canal near Imlay, Nev.

LOCATION.--Lat 40°40'05", long 118°11'55", in SE¼NE¼ sec.1, T.32 N., R.33 E., Pershing County, on left bank 3 mi (5 km) northwest of Imlay and 9 mi (14 km) downstream from headgates.

PERIOD OF RECORD.--October 1946 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,170 ft (1,271 m), from topographic map.

AVERAGE DISCHARGE.--28 years, 17.1 ft^3/s (0.484 m^3/s), 12,390 acre-ft/yr (15.3 hm^3/yr).

EXTREMES.--Period of record: Maximum daily discharge, 260 ft^3/s (7.36 m^3/s) July 7, 1970; no flow much of the time, in most years.

REMARKS.--Records good except those for winter periods, which are poor. This canal diverts water during some years from Humboldt River in NW¼ sec.29, T.33 N., R.35 E., for storage in Pitt-Taylor Reservoirs near Humboldt, and is completely controlled at the headgate. During irrigation season, water is released to Rye Patch Reservoir (capacity, 157,200 acre-ft), from which it is later released and carried in natural river channel to Lovelock district for irrigation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26		0	25	52	48	47	68	32	8.5		
2	26		0	10	51	46	42	65	32	8.5		
3	26		0	3.2	50	44	40	64	33	8.5		
4	26		0	12	51	44	40	61	29	8.5		
5	27		0	20	50	43	44	61	25	8.0		
6	28		0	25	44	44	42	57	22	8.0		
7	28		0	25	40	44	42	57	20	8.5		
8	32		0	23	44	46	43	54	20	8.5		
9	32		0	21	47	46	45	50	20	8.5		
10	32		0	20	47	46	46	52	16	8.2		
11	31		0	19	48	48	75	56	16	7.1		
12	31		0	16	46	51	95	57	17	6.8		
13	30		0	18	46	49	111	53	17	6.2		
14	30		0	19	46	46	111	54	17	6.2		
15	29		0	20	45	40	111	50	17	5.7		
16	29		0	20	44	38	111	42	16	5.5		
17	29		0	21	44	38	108	40	15	2.5		
18	29		0	23	45	37	105	39	15	.40		
19	29		0	27	45	36	106	38	15	0		
20	27		0	40	44	34	102	39	14	0		
21	26		30	55	45	36	82	37	13	0		
22	27		31	50	45	37	79	40	7.1	0		
23	24		32	12	46	37	79	40	6.2	0		
24	2.8		34	40	46	38	79	40	5.5	0		
25	1.0		33	70	47	39	75	39	4.9	0		
26	.70		34	55	48	38	75	39	4.0	0		
27	0		33	50	48	42	72	38	4.7	0		
28	0		34	50	48	45	69	38	8.8	0		
29	0		34	50	------	40	68	38	11	0		
30	0		36	51	------	46	68	35	9.7	0		
31	0	------	35	52	------	40	------	34	------	0		------
TOTAL	658.50	0	366	944.2	1,302	1,306	2,212	1,473	483.8	124.10	0	0
MEAN	21.2	0	11.8	30.5	46.5	42.1	73.7	47.5	16.1	4.00	0	0
MAX	32	0	36	70	52	51	111	68	33	8.5	0	0
MIN	0	0	0	3.2	40	34	40	34	4.7	0	0	0
AC-FT	1,310	0	726	1,870	2,580	2,590	4,390	2,920	960	246	0	0

CAL YR 1973 TOTAL 29,068.50 MEAN 79.6 MAX 182 MIN 0 AC-FT 57,660
WTR YR 1974 TOTAL 8,869.60 MEAN 24.3 MAX 111 MIN 0 AC-FT 17,590

10333000 Humboldt River near Imlay, Nev.

LOCATION.--Lat 40°41'30", long 118°12'10", in SW¼SE¼ sec.25, T.33 N., R.33 E., Pershing County, on right bank 1 mi (2 km) upstream from Callahan bridge and 4 mi (6 km) northwest of Imlay.

DRAINAGE AREA.--15,700 mi^2 (40,660 km^2), approximately.

PERIOD OF RECORD.--June 1935 to December 1941, April 1945 to current year. Monthly discharge only October to December 1941, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 4,130 ft (1,259 m) from Geological Survey vertical-angle bench mark. Prior to Apr. 28, 1945, at site 1 mi (2 km) downstream at different datum. Apr. 28, 1945, to Aug. 20, 1947, at present site at datum 1 ft (0.3 m) higher.

AVERAGE DISCHARGE.--35 years, 198 ft^3/s (5.607 m^3/s), 143,500 acre-ft/yr (177 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 838 ft^3/s (23.7 m^3/s) Apr. 18, gage height, 6.81 ft (2.076 m); minimum, 5.2 ft^3/s (0.15 m^3/s) Oct. 21-23.

Period of record: Maximum discharge, 6,080 ft^3/s (172 m^3/s) May 9, 1952, gage height, 12.15 ft (3.703 m); no flow at times in many years.

REMARKS.--Records good. Humboldt-Lovelock Irrigation, Light & Power Co.'s feeder canal diverts water at times from river above station to Pitt-Taylor Reservoirs (see preceding page). Flow affected by many diversions above station for irrigation; Humboldt Decree, 226,000 acres (915 km^2); additional acreage not covered in decree.

REVISIONS.--WSP 1714: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	31	118	194	256	222	675	581	387	290	97	33
2	6.0	35	118	186	259	217	686	574	369	263	97	32
3	6.0	41	116	133	255	213	697	568	289	222	91	32
4	6.0	44	115	155	227	213	706	520	238	193	83	32
5	6.2	44	115	145	220	214	717	508	221	182	76	29
6	6.5	46	116	150	211	225	728	456	206	177	73	28
7	6.5	45	116	155	190	252	737	407	199	176	72	28
8	7.2	42	124	150	180	316	748	384	187	193	66	27
9	7.2	42	130	145	177	366	757	332	176	183	62	27
10	7.0	46	135	142	187	396	768	345	174	174	60	26
11	7.0	52	138	140	195	414	777	367	177	158	60	27
12	6.8	61	130	138	188	432	781	369	186	147	61	26
13	6.5	67	131	135	182	448	785	364	225	145	74	26
14	6.5	74	138	130	177	464	792	372	249	140	74	26
15	6.5	78	136	127	176	484	805	342	249	135	70	26
16	6.5	84	135	125	174	502	816	358	248	129	64	25
17	6.2	86	135	129	172	514	816	356	250	135	59	24
18	6.0	94	134	130	172	526	827	358	250	127	56	24
19	5.8	100	131	133	176	536	825	374	249	121	54	24
20	5.6	102	134	140	177	538	814	389	249	115	50	24
21	5.4	103	114	166	180	552	810	394	248	136	50	23
22	5.4	106	112	285	182	568	783	462	249	139	49	23
23	5.6	107	112	450	186	585	770	470	260	140	47	24
24	16	109	112	315	192	590	759	458	262	127	46	23
25	22	110	114	168	198	601	735	452	255	118	44	22
26	22	106	109	200	213	614	711	447	248	114	43	22
27	23	108	113	227	218	625	673	458	249	110	42	22
28	24	114	115	217	220	634	601	443	277	108	40	22
29	26	118	121	196	------	645	581	436	334	102	38	24
30	27	119	119	213	------	656	583	427	322	97	37	26
31	29	------	120	260	------	667	------	394	------	94	35	------
TOTAL	333.4	2,314	3,806	5,579	5,540	14,229	22,263	13,165	7,482	4,690	1,870	777
MEAN	10.8	77.1	123	180	198	459	742	425	249	151	60.3	25.9
MAX	29	119	138	450	259	667	827	581	387	290	97	33
MIN	5.4	31	109	125	172	213	581	332	174	94	35	22
AC-FT	661	4,590	7,550	11,070	10,990	28,220	44,160	26,110	14,840	9,300	3,710	1,540

CAL YR 1973 TOTAL 116,617.7 MEAN 320 MAX 1,050 MIN 2.4 AC-FT 231,300

WTR YR 1974 TOTAL 82,049.4 MEAN 225 MAX 827 MIN 5.4 AC-FT 162,700

10334500 Rye Patch Reservoir near Rye Patch, Nev.

LOCATION.--Lat 40°28'15", long 118°18'30", in NW¼NE¼ sec.18, T.30 N., R.33 E., Pershing County, at control works on left end of Rye Patch Dam on Humboldt River, and 2 mi (3 km) northwest of Rye Patch.

DRAINAGE AREA.--16,100 mi^2 (4,170 km^2), approximately.

PERIOD OF RECORD.--February 1963 to current year.

GAGE.--Staff gage on dam read daily. Datum of gage is at mean sea level (Southern Pacific Railroad datum).

EXTREMES.--Current year: Maximum contents, 165,300 acre-ft (204 hm^3) Apr. 24 to May 1, elevation, 4,133.60 ft (1,259.921 m); minimum, 101,300 acre-ft (125 hm^3) Nov. 6-18, elevation, 4,127.50 ft (1,258.062 m).

Period of record: Maximum contents, 196,900 acre-ft (243 hm^3) Apr. 9, 1946, elevation, 4,134.62 ft (1,260.232 m), capacity table then in use; no contents Aug. 7-11, 1955, May 12 to June 13, 1961.

REMARKS.--Reservoir is formed by earthfill, rock-faced dam; storage began Feb. 20, 1936. Capacity, 157,200 acre-ft (194 hm^3) between elevations 4,072.5 (1,241.30 m), sill of trashrack structure, and 4,133.0 ft (1,259.74 m), top of spillway gates. Dead storage negligible. Elevation of spillway (gate sill) is 4,116 ft (1,254.6 m). Figures given herein represent usable contents, and are based on capacity table No. 2, in use since Oct. 1, 1971. Water is used for irrigation in the Lovelock area.

COOPERATION.--Records of daily elevation furnished by Pershing County Water Conservation District.

REVISIONS.--WSP 1714: Drainage area.

Capacity table, (elevation, in feet, and contents, in acre-feet)

4,127	97,300	4,131	133,200
4,128	105,300	4,132	144,200
4,129	113,900	4,133	157,200
4,130	123,200	4,134	170,800

CONTENTS, IN ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117.600	102.900	102.900	108.700	114.800	124.200	152.000	165.300	146.800	128.200	129.200	117.600
2	117.600	102.900	103.700	109.600	115.800	124.200	153.300	164.000	145.500	127.200	129.200	117.600
3	116.700	102.900	103.700	109.600	115.800	125.200	154.600	164.000	145.500	126.200	129.200	116.700
4	115.800	102.100	103.700	109.600	115.800	125.200	155.900	164.000	144.200	125.200	129.200	115.800
5	114.800	102.100	103.700	109.600	116.700	125.200	157.200	164.000	144.200	124.200	129.200	115.800
6	113.900	101.300	103.700	109.600	116.700	126.200	158.600	164.000	143.100	124.200	130.200	114.800
7	113.000	101.300	104.500	110.500	117.600	126.200	158.600	162.600	143.100	123.200	130.200	114.800
8	113.000	101.300	104.500	110.500	117.600	126.200	158.600	162.600	142.000	123.200	131.200	113.900
9	113.000	101.300	104.500	110.500	118.600	127.200	159.900	161.300	142.000	122.300	131.200	113.900
10	112.200	101.300	104.500	110.500	118.600	128.200	159.900	154.900	140.900	121.300	131.200	113.000
11	111.300	101.300	104.500	110.500	119.500	129.200	159.900	158.600	133.700	121.300	130.200	113.000
12	111.300	101.300	104.500	110.500	119.500	130.200	159.900	158.600	133.700	121.300	130.200	112.200
13	110.500	101.300	105.300	111.300	119.500	131.200	161.300	157.200	137.600	121.300	129.200	111.300
14	110.500	101.300	105.300	111.300	120.400	132.200	161.300	155.900	136.500	121.300	129.200	111.300
15	109.600	101.300	106.200	111.300	120.400	133.200	161.300	154.600	136.500	122.300	128.200	110.500
16	109.600	101.300	106.200	111.300	121.300	134.300	161.300	153.300	136.500	122.300	128.200	110.500
17	108.700	101.300	106.200	111.300	121.300	135.400	161.300	152.000	136.500	122.300	128.200	109.600
18	108.700	101.300	107.000	111.300	121.300	136.500	161.300	150.700	135.400	123.200	127.200	109.600
19	107.900	102.100	107.000	112.200	122.300	137.600	162.600	150.700	135.400	123.200	127.200	109.600
20	107.000	102.100	107.000	112.200	122.300	138.700	162.600	150.700	135.400	123.200	126.200	108.700
21	107.000	102.100	107.000	112.200	122.300	139.800	164.000	149.400	134.300	124.200	125.200	108.700
22	106.200	102.100	107.000	112.200	122.300	140.900	164.000	149.400	134.300	124.200	124.200	108.700
23	105.300	102.100	107.900	113.000	123.200	142.000	164.000	149.400	134.300	124.200	123.200	107.900
24	105.300	102.100	107.900	113.000	123.200	143.100	165.300	149.400	133.200	124.200	122.300	107.900
25	105.300	102.100	107.900	113.000	123.200	144.200	165.300	148.100	133.200	125.200	121.300	107.900
26	105.300	102.100	107.900	113.000	123.200	145.500	165.300	148.100	132.200	125.200	120.400	107.000
27	105.300	102.100	107.900	113.900	124.200	146.800	165.300	148.100	131.200	126.200	119.500	107.000
28	104.500	102.900	108.700	113.900	124.200	148.100	165.300	148.100	130.200	127.200	119.500	106.200
29	104.500	102.900	108.700	113.900	------	148.100	165.300	148.100	129.200	128.200	118.600	106.200
30	103.700	102.900	108.700	114.800	------	149.400	165.300	146.800	128.200	128.200	118.600	105.300
31	102.900	------	108.700	114.800	------	150.700	------	146.800	------	128.200	117.600	------
MAX	117.600	102.900	108.700	114.800	124.200	150.700	165.300	165.300	146.800	128.200	131.200	117.600
MIN	102.900	101.300	102.900	108.700	114.800	124.200	152.000	146.800	128.200	121.300	117.600	105.300
(†)	4,127.70	4,127.70	4,128.40	4,129.10	4,130.10	4,132.50	4,133.60	4,132.20	4,130.50	4,130.50	4,129.40	4,128.00
(‡)	-14,700	0	+5,800	+6,100	+9,400	+26,500	+14,600	-18,500	-18,600	0	-10,600	-12,300

CAL YR 1973 MAX 170,800 MIN 101,300 ‡ -8,000
WTR YR 1974 MAX 165,300 MIN 101,300 ‡-12,300

† ELEVATION, IN FEET, AT END OF MONTH.
‡ CHANGE IN CONTENTS, IN ACRE-FEET.

10335000 Humboldt River near Rye Patch, Nev.

LOCATION.--Lat 40°28'00", long 118°18'20", in SE¼NE¼ sec.18, T.30 N., R.33 E., Pershing County, on left bank 1,000 ft (305 m) downstream from Rye Patch Dam and 1.5 mi (2.4 km) northwest of Rye Patch.

DRAINAGE AREA.--16,100 mi^2 (41,700 km^2).

PERIOD OF RECORD.--January 1896 to June 1898, June 1899 to December 1909, September 1910 to June 1917, September 1917 to September 1922, September 1924 to September 1930 (fragmentary), October 1930 to September 1932, October 1935 to September 1961, October 1943 to current year. Monthly discharge only for some periods, published in WSP 1314. Prior to October 1935, published as "near Oreana."

GAGE.--Water-stage recorder. Datum of gage is 4,068.53 ft (1,240.088 m) above mean sea level (levels by Bureau of Reclamation). Prior to Oct. 1, 1935, water-stage recorder or nonrecording gages at several sites about 7 mi (11 km) downstream at different datum. Oct. 1, 1935, to Oct. 13, 1945, water-stage recorder at site 0.5 mi (0.8 km) downstream at different datum.

AVERAGE DISCHARGE.--60 years (1899-1909, 1910-16, 1917-22, 1930-32, 1935-41, 1943-74), 202 ft^3/s (5.721 m^3/s), 146,300 acre-ft/yr (180 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 716 ft^3/s (20.3 m^3/s) July 4, gage height, 3.91 ft (1.192 m); minimum daily, 19 ft^3/s (0.54 m^3/s) Jan. 1-17, 20, 21.

Period of record: Maximum discharge, 4,720 ft^3/s (134 m^3/s) May 11, 12, 1952, gage height, 10.26 ft (3.127 m); no flow at times in some years.

REMARKS.--Records good. Flow completely regulated by Rye Patch Reservoir, capacity 157,200 acre-ft (194 hm^3) since Feb. 20, 1936. Many diversions above station for irrigation: Humboldt Decree, 226,000 acres (915 km^2); additional acreage not covered by decree. Water-quality records for the current year are published in Part 2 of this report.

REVISIONS.--WSP 1714: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	194	121	22	19	20	24	200	619	453	582	164	190
2	193	121	22	19	20	22	236	604	465	656	127	203
3	192	121	22	19	21	22	260	571	497	702	100	232
4	209	122	22	19	20	22	317	571	519	685	98	261
5	224	122	23	19	20	22	363	572	484	622	116	271
6	237	144	22	19	21	22	412	573	405	593	169	238
7	253	156	22	19	21	22	470	573	397	550	202	225
8	238	124	22	19	21	21	514	575	373	447	264	187
9	210	98	22	19	21	21	509	576	428	415	264	173
10	225	79	22	19	22	22	513	577	471	367	264	202
11	273	24	22	19	22	22	512	579	494	278	269	184
12	329	23	22	19	22	23	510	606	468	240	250	170
13	317	23	21	19	22	22	510	632	431	240	216	131
14	279	23	22	19	22	22	529	644	383	202	258	108
15	258	23	21	19	22	27	560	678	312	180	324	129
16	256	23	21	19	22	32	559	677	278	149	361	143
17	254	23	21	19	22	32	557	676	296	143	375	126
18	230	23	21	20	23	28	563	623	350	162	413	123
19	223	22	21	20	23	27	563	521	341	144	415	143
20	247	23	21	19	23	23	560	498	295	131	406	158
21	248	22	21	19	23	24	557	460	328	149	423	131
22	198	23	21	20	23	24	560	465	385	149	451	120
23	171	23	21	20	23	87	591	477	469	108	442	145
24	170	23	21	20	23	127	617	518	517	27	364	177
25	169	23	21	20	23	121	619	571	579	37	311	156
26	162	23	21	20	23	121	623	544	563	51	327	146
27	167	22	21	20	23	122	620	521	519	49	336	148
28	234	21	21	20	23	121	619	540	512	69	270	125
29	237	21	21	20	------	122	616	539	542	122	237	112
30	210	22	21	20	------	122	621	510	544	166	232	113
31	122	------	21	20	------	146	------	478	------	197	191	------
TOTAL	6,929	1,661	665	601	614	1,615	15,260	17,568	13,093	8,612	8,639	4,970
MEAN	224	55.4	21.5	19.4	21.9	52.1	509	567	436	278	279	166
MAX	329	156	23	20	23	146	623	678	579	702	451	271
MIN	122	21	21	19	20	21	200	460	278	27	98	108
AC-FT	13,740	3,290	1,320	1,190	1,220	3,200	30,270	34,850	25,970	17,080	17,140	9,860

CAL YR 1973 TOTAL 104,933 MEAN 287 MAX 913 MIN 15 AC-FT 208,100
WTR YR 1974 TOTAL 80,227 MEAN 220 MAX 702 MIN 19 AC-FT 159,100

10336500 Pyramid Lake near Nixon, Nev.

LOCATION.--Lat 39°59'05", long 119°30'00", in NE¼NW¼ sec.3, T.24 N., R.22 E., Washoe County, 0.25 mi (0.40 km) north of the Pyramid, 1.6 mi (2.6 km) northeast of Anaho Island, and 13 mi (21 km) northwest of Nixon.

DRAINAGE AREA.--2,720 mi^2 (7,040 km^2).

PERIOD OF RECORD.--1867-1925 (occasional elevations in some years), June 1926 to current year (occasional elevations in each year).

GAGE.--Nonrecording gage. Datum of gage is at mean sea level, U.S. Coast & Geodetic Survey Bench Mark N-21,elevation, 3,940.29 ft (1,201.000 m) datum of 1929, supplementary adjustment of 1956. Prior to January 1934, elevations were determined from Bench Mark No. 1 of General Land Office using elevation of 3,882.26 ft (1,183.313 m), adjustment of 1912; to convert these records to present datum, add 0.81 ft (0.247 m). January 1934 to September 1955, elevations were determined from Bench Mark N-21 using elevation of 3,940.04 ft (1,200.924 m), datum of 1929; to convert these records to present datum, add 0.25 ft (0.076 m). October 1955 to August 1968, nonrecording gages along southwest lake shore at present datum.

EXTREMES.--Period of record: Maximum elevation observed, 3,884.9 ft (1,184.12 m) in 1871 (see remarks paragraph); minimum observed, 3,783.9 ft (1,153.33 m) Feb. 6, Mar. 6, 1967.

REMARKS.--Truckee Canal diverts water out of the basin to Lahontan Reservoir. Elevations published for 1867 and 1871 may have been 9 ft (2.7 m) lower because of uncertainty of date of photograph on which they were based.

REVISION (WATER YEARS).--WSP 880: 1934-38 (bench mark). WSP 1090: 1926 (M). WRD 1967 Nev.: 1966.

Elevation, in feet, water year October 1973 to September 1974

Oct.	3	3,793.4	Apr.	2	3,794.7
Nov.	5	3,793.0	May	6	3,795.8
Dec.	4	3,793.0	June	4	3,796.4
Jan.	4	3,793.2	July	2	3,796.5
Feb.	6	3,793.7	Aug.	8	3,796.6
Mar.	5	3,794.0	Sept.	3	3,796.3

Area table (elevation, in feet, and area, in thousands of acres)

3,880	144.3	3,845	131.7	3,810	114.7
3,875	143.4	3,840	129.1	3,805	113.0
3,870	142.4	3,835	126.4	3,800	111.3
3,865	140.9	3,830	123.8	3,795	109.7
3,860	139.0	3,825	121.2	3,790	108.2
3,855	136.8	3,820	118.6	3,785	107.0
3,850	134.3	3,815	116.6	3,780	105.9

Volume table (elevation, in feet, and volume, in thousands of acre-feet)

3,880	32,020	3,845	27,140	3,810	22,850
3,875	31,300	3,840	26,490	3,805	22,280
3,870	30,580	3,835	25,850	3,800	21,720
3,865	29,880	3,830	25,230	3,795	21,170
3,860	29,180	3,825	24,620	3,790	20,620
3,855	28,490	3,820	24,020	3,785	20,080
3,850	27,810	3,815	23,430	3,780	19,550

10336593 GRASS LAKE CREEK NEAR MEYERS, CALIF.

LOCATION.--Lat 38°48'07", long 120°00'54", in SE¼NW¼ sec.11, T.11 N., R.18 E., El Dorado County, on left bank 60 ft (18 m) upstream from Grass Lake Way, 300 ft (91 m) upstream from confluence with Upper Truckee River, and 3.8 mi (6.1 km) south of Meyers.

DRAINAGE AREA.--6.99 mi² (18.1 km²).

PERIOD OF RECORD.--October 1971 to September 1974 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 6,470 ft (1,972 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 94 ft³/s (2.66 m³/s) May 9 (gage height, 2.60 ft or 0.792 m); minimum daily, 1.0 ft³/s (0.028 m³/s) Sept. 24-29.

Period of record: Maximum discharge, 102 ft³/s (2.89 m³/s) June 4, 1972 (gage height, 2.72 ft or 0.829 m); minimum daily, 1.0 ft³/s (0.028 m³/s) Sept. 24-29, 1974.

REMARKS.--Records good. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	3.1	5.2	7.6	9.7	10	9.7	28	62	19	6.2	2.0
2	1.4	3.0	5.3	6.9	10	9.2	9.7	31	60	19	5.3	2.0
3	1.6	2.5	5.0	6.4	9.7	9.2	9.7	33	60	18	5.3	2.0
4	1.6	2.5	4.4	6.0	9.2	9.2	10	36	61	17	5.6	1.8
5	1.6	2.8	4.3	5.6	8.8	8.8	11	41	61	16	6.5	1.8
6	1.6	6.2	4.1	5.3	11	8.8	11	49	63	16	5.3	1.8
7	3.0	12	4.1	4.8	9.7	8.4	12	63	62	14	4.8	1.8
8	2.8	7.2	4.1	4.4	8.8	8.4	14	70	56	14	4.4	1.8
9	2.4	9.2	4.1	4.3	8.4	7.6	14	75	53	28	4.3	1.6
10	2.2	14	4.1	4.3	8.4	7.6	13	80	53	26	3.9	1.6
11	2.2	43	4.1	4.3	8.4	7.6	14	78	53	21	3.7	1.6
12	2.4	37	4.1	4.3	8.8	7.2	15	74	52	17	3.7	1.6
13	2.4	19	4.1	4.3	8.4	7.2	16	68	49	15	3.5	1.4
14	2.2	12	3.9	6.6	8.0	8.0	17	66	47	13	3.3	1.4
15	2.0	10	3.9	19	8.0	9.2	19	61	44	12	3.3	1.4
16	2.0	9.7	3.9	17	8.4	10	20	53	42	11	3.1	1.4
17	2.0	8.8	4.4	18	8.8	10	22	44	39	10	3.1	1.4
18	2.0	7.6	4.3	19	8.4	9.2	23	39	36	9.7	3.0	1.4
19	2.0	6.5	4.1	21	8.0	9.2	21	36	34	9.7	3.0	1.4
20	2.4	6.5	3.9	18	9.2	9.7	22	34	32	8.8	2.8	1.2
21	2.4	6.2	3.9	16	7.6	10	24	35	30	8.0	2.8	1.1
22	2.6	6.2	3.9	17	7.2	10	27	38	29	7.2	2.8	1.1
23	3.7	6.2	3.9	15	7.2	11	26	42	29	6.8	2.6	1.1
24	3.1	5.6	3.7	14	7.6	11	21	46	26	6.5	2.6	1.0
25	3.3	5.3	3.7	13	7.6	12	21	50	24	6.5	2.6	1.0
26	3.3	5.0	3.9	12	7.6	11	20	61	23	6.5	2.5	1.0
27	3.5	5.0	3.9	12	7.2	11	20	70	21	6.2	2.5	1.0
28	3.5	5.0	4.8	12	6.8	11	20	73	21	5.6	2.5	1.0
29	3.3	5.0	15	11	------	12	21	66	21	5.3	2.4	1.0
30	3.1	5.0	11	11	------	10	25	62	20	5.0	2.2	1.1
31	3.3	------	8.0	11	------	11	------	62	------	5.9	2.2	------
TOTAL	76.3	277.1	151.1	331.1	236.9	294.5	528.1	1,664	1,263	383.7	111.8	42.8
MEAN	2.46	9.24	4.87	10.7	8.46	9.50	17.6	53.7	42.1	12.4	3.61	1.43
MAX	3.7	43	15	21	11	12	27	80	63	28	6.5	2.0
MIN	1.4	2.5	3.7	4.3	6.8	7.2	9.7	28	20	5.0	2.2	1.0
AC-FT	151	550	300	657	470	584	1,050	3,300	2,510	761	222	85

CAL YR 1973 TOTAL 4,284.1 MEAN 11.7 MAX 73 MIN 1.4 AC-FT 8,500
WTR YR 1974 TOTAL 5,360.4 MEAN 14.7 MAX 80 MIN 1.0 AC-FT 10,630

PEAK DISCHARGE (BASE, 40 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-12	0430	2.30	68	5-27	2100	2.47	82
5-9	1830	2.60	94	7-9	1930	2.02	42

10336600 UPPER TRUCKEE RIVER NEAR MEYERS, CALIF.

LOCATION.--Lat 38°50'35", long 120°01'25", in NE¼SE¼ sec.31, T.12 N., R.18 E., El Dorado County, on left bank 0.4 mi (0.6 km) upstream from mouth of Echo Lake outlet, 1.1 mi (1.8 km) southwest of Meyers, and 2.5 mi (4.0 km) upstream from Angora Creek.

DRAINAGE AREA.--33.1 mi² (85.7 km²).

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6,325 ft (1,928 m) from topographic map.

AVERAGE DISCHARGE.--14 years, 67.6 ft³/s (1.914 m³/s) 48,980 acre-ft/yr (60.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 776 ft³/s (22.0 m³/s) Nov. 11 (gage height, 8.84 ft or 2.694 m); minimum daily, 5.1 ft³/s (0.144 m³/s) Sept. 29.

Period of record: Maximum discharge, 2,550 ft³/s (72.2 m³/s) Feb. 1, 1963 (gage height, 12.41 ft or 3.783 m); minimum, 2.0 ft³/s (0.057 m³/s) Jan. 13, 1961.

REMARKS.--Records good. No regulation. Some small diversions above station for domestic use.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	12	35	58	51	39	66	176	374	119	30	9.3
2	5.2	11	37	48	48	46	64	205	361	107	28	8.5
3	5.2	9.9	37	46	48	48	56	221	369	95	28	8.4
4	5.2	8.9	35	43	47	45	54	218	370	89	27	7.7
5	5.2	11	35	41	45	40	59	241	377	84	30	7.1
6	5.3	31	33	39	44	40	58	280	390	77	28	7.4
7	9.5	105	34	38	42	38	59	336	367	71	25	7.4
8	11	55	32	37	42	36	64	370	313	73	23	7.3
9	8.8	56	32	37	41	35	65	384	314	252	21	7.5
10	8.3	179	33	38	40	35	59	384	330	190	20	7.2
11	8.2	525	32	36	40	34	60	383	345	112	20	8.0
12	8.4	374	32	35	39	36	66	378	345	90	21	7.4
13	9.1	131	33	34	38	36	71	345	326	78	19	7.8
14	9.8	84	32	42	37	40	78	346	306	71	19	7.7
15	9.6	71	32	154	36	47	94	334	276	65	18	7.9
16	8.7	62	30	150	36	52	107	284	257	61	17	7.9
17	8.1	62	36	169	36	53	124	234	232	56	17	7.8
18	7.7	56	35	160	35	50	132	197	213	52	16	7.0
19	7.4	48	35	178	36	49	103	171	183	49	15	7.2
20	8.6	46	31	112	36	50	103	154	164	46	15	7.0
21	8.9	43	31	88	33	53	117	159	168	44	15	7.5
22	8.9	42	31	77	32	54	147	194	175	42	14	7.0
23	15	42	29	73	32	55	146	259	171	40	13	7.2
24	12	37	29	69	32	58	113	313	154	39	13	7.2
25	13	39	28	66	32	62	100	352	140	37	13	7.6
26	12	38	29	62	32	59	92	415	127	36	13	7.3
27	13	35	35	60	31	60	89	462	118	34	13	7.1
28	13	35	42	58	30	58	90	473	117	32	13	5.3
29	13	35	122	56	------	73	96	398	123	30	12	5.1
30	12	35	107	54	------	68	120	357	121	29	11	5.6
31	12	------	72	52	------	59	------	363	------	30	11	------
TOTAL	287.3	2,318.8	1,226	2,210	1,071	1,508	2,652	9,386	7,626	2,230	578	220.4
MEAN	9.27	77.3	39.5	71.3	38.3	48.6	88.4	303	254	71.9	18.6	7.35
MAX	15	525	122	178	51	73	147	473	390	252	30	9.3
MIN	5.2	8.9	28	34	30	34	54	154	117	29	11	5.1
AC-FT	570	4,600	2,430	4,380	2,120	2,990	5,260	18,620	15,130	4,420	1,150	437

CAL YR 1973 TOTAL 24,863.8 MEAN 68.1 MAX 525 MIN 4.8 AC-FT 49,320
WTR YR 1974 TOTAL 31,313.5 MEAN 85.8 MAX 525 MIN 5.1 AC-FT 62,110

PEAK DISCHARGE (BASE, 200 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-11	1315	8.84	776	5-9	2145	7.73	491
1-15	1600	6.00	200	5-27	2230	8.21	595
1-18	2230	6.36	260	7-9	2000	7.73	491

10336610 UPPER TRUCKEE RIVER AT SOUTH LAKE TAHOE, CALIF.

LOCATION.--Lat 38°55'22", long 119°59'23", in NW¼SE¼ sec.4, T.12 N., R.18 E., El Dorado County, on right bank on downstream side of U.S. Highway 50 bridge, 1.0 mi (1.6 km) northeast of South Lake Tahoe Post Office, and 1.4 mi (2.3 km) upstream from Lake Tahoe.

DRAINAGE AREA.--54.8 mi² (141.9 km²).

PERIOD OF RECORD.--October 1971 to September 1974 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 6,240 ft (1,902 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 1,070 ft³/s (30.3 m³/s) Nov. 12 (gage height, 5.94 ft or 1.811 m); minimum daily, 8.0 ft³/s (0.23 m³/s) Oct. 2.

Period of record: Maximum discharge, 1,070 ft³/s (30.3 m³/s) Nov. 12, 1973 (gage height, 5.94 ft or 1.811 m); minimum daily, 8.0 ft³/s (0.23 m³/s) Oct. 2, 1973.

REMARKS.--Records good except those for the winter months, which are fair. Two small dams may cause slight regulation at times. Some small diversions above station for domestic use.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	19	73	155	93	66	166	241	457	160	43	16
2	8.0	19	78	110	93	80	172	280	470	158	39	15
3	8.2	17	81	95	92	104	158	323	490	138	39	14
4	12	16	82	88	87	110	143	327	503	128	39	14
5	8.6	15	80	82	82	108	150	341	481	118	43	13
6	9.4	58	80	77	82	98	143	386	520	96	39	12
7	12	98	82	74	83	91	140	440	514	91	36	13
8	16	100	80	72	82	86	150	520	448	92	35	13
9	13	90	77	72	80	85	150	547	420	248	32	13
10	12	232	73	72	77	85	127	564	438	477	28	20
11	12	697	70	71	75	85	126	547	442	153	27	20
12	11	875	70	68	75	96	132	545	470	120	27	15
13	12	358	73	67	71	96	129	498	465	108	26	14
14	12	203	73	110	71	105	135	461	440	99	24	13
15	13	158	71	430	67	114	148	465	406	92	25	13
16	12	136	69	444	68	117	168	392	374	88	24	12
17	12	142	71	484	70	120	182	343	336	83	23	12
18	12	132	80	391	69	115	204	305	301	79	22	12
19	11	103	77	439	71	109	172	257	256	75	26	12
20	12	98	68	265	72	109	168	232	211	70	22	12
21	13	87	59	206	66	112	174	220	201	70	20	12
22	13	82	57	179	62	115	208	230	222	62	20	12
23	27	76	56	167	60	117	232	275	227	59	22	11
24	19	70	56	141	59	121	214	330	219	55	20	11
25	19	69	53	127	58	124	195	398	200	51	19	11
26	19	68	53	118	57	127	175	479	181	54	18	10
27	19	67	74	121	57	129	167	601	162	46	16	11
28	20	67	95	108	57	138	164	630	153	44	16	11
29	20	69	332	105	------	192	162	542	153	43	17	11
30	19	69	324	98	------	176	172	463	157	42	16	11
31	19	------	190	94	------	150	------	446	------	41	16	------
TOTAL	433.8	4,282	2,857	5,138	2,036	3,480	4,926	12,628	10,317	3,240	819	389
MEAN	14.0	143	92.2	165	72.7	112	164	407	344	105	26.4	13.0
MAX	27	875	332	484	93	192	232	630	520	477	43	20
MIN	8.0	15	53	67	57	66	126	220	153	41	16	10
AC-FT	860	8,490	5,670	10,180	4,040	6,900	9,770	25,050	20,460	6,430	1,620	772

CAL YR 1973 TOTAL 39,995.4 MEAN 110 MAX 875 MIN 8.0 AC-FT 79,330
WTR YR 1974 TOTAL 50,537.8 MEAN 138 MAX 875 MIN 8.0 AC-FT 100,200

PEAK DISCHARGE (BASE, 300 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-12	1130	5.94	1,070	4-1	2100	3.56	343
12-29	1800	4.16	534	5-10	0500	4.94	640
1-15	2000	4.45	612	5-28	0700	5.29	728
1-18	2200	4.59	558	7-10	0400	5.04	665

10336625 FALLEN LEAF LAKE NEAR CAMP RICHARDSON, CALIF.
(Formerly published as Fallen Leaf Lake near Tahoe Valley)

LOCATION.--Lat 38°54'00", long 120°04'14", in NE¼SW¼ sec.11, T.12 N., R.17 E., El Dorado County, Eldorado National Forest, on left bank near center of lake, 200 ft (61 m) north of Cathedral Creek, 2.9 mi (4.7 km) southwest of Camp Richardson, and 3.7 mi (6.0 km) west of South Lake Tahoe Post Office.

DRAINAGE AREA.--16.7 mi² (43.3 km²).

PERIOD OF RECORD.--October 1968 to current year. Prior to October 1973, published as "near Tahoe Valley."

GAGE.--Water-stage recorder. Datum of gage is 6,372.30 ft (1,942.277 m) above mean sea level.

EXTREMES.--Current year: Maximum gage height, 5.00 ft (1.524 m) Nov. 11; minimum, 2.28 ft (0.695 m) Nov. 4.

Period of record: Maximum gage height, 5.51 ft (1.679 m) Jan. 22, 1970; minimum, 1.84 ft (0.561 m) Nov. 10, 1971.

REMARKS.--Lake levels regulated by a concrete dam at the outlet constructed in 1934. Regulation is for maintenance of lake level and enhancement of fishery.

GAGE HEIGHT, IN FEET, AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.64	2.36	2.83	2.98	2.69	2.73	3.01	2.96	3.46	3.91	4.44	4.03
2	2.62	2.32	2.80	2.92	2.67	2.86	2.96	3.08	3.47	4.01	4.44	4.01
3	2.59	2.30	2.77	2.88	2.64	2.84	2.91	3.17	3.50	4.09	4.44	3.99
4	2.58	2.28	2.73	2.84	2.62	2.81	2.85	3.21	3.49	4.16	4.46	3.97
5	2.56	2.42	2.70	2.83	2.58	2.76	2.80	3.25	3.50	4.19	4.47	3.93
6	2.51	2.48	2.67	2.84	2.56	2.71	2.77	3.30	3.52	4.22	4.47	3.91
7	2.58	2.82	2.64	2.81	2.54	2.68	2.74	3.39	3.48	4.25	4.46	3.87
8	2.58	2.91	2.62	2.77	2.52	2.66	2.72	3.47	3.43	4.33	4.45	3.82
9	2.57	3.10	2.61	2.73	2.51	2.63	2.71	3.53	3.40	4.87	4.43	3.79
10	2.54	3.77	2.58	2.70	2.49	2.60	2.69	3.54	3.42	4.69	4.42	3.75
11	2.52	5.00	2.59	2.69	2.47	2.60	2.68	3.52	3.50	4.50	4.40	3.71
12	2.51	4.92	2.57	2.68	2.46	2.58	2.67	3.48	3.63	4.42	4.37	3.67
13	2.48	4.47	2.63	2.65	2.45	2.56	2.67	3.42	3.75	4.42	4.33	3.62
14	2.47	3.99	2.62	2.81	2.44	2.55	2.67	3.38	3.83	4.44	4.32	3.58
15	2.45	3.61	2.61	3.25	2.43	2.55	2.69	3.32	3.86	4.45	4.30	3.54
16	2.43	3.40	2.57	3.42	2.43	2.55	2.73	3.25	3.85	4.46	4.28	3.51
17	2.42	3.34	2.62	3.43	2.42	2.55	2.80	3.21	3.82	4.47	4.27	3.47
18	2.40	3.22	2.61	3.57	2.42	2.55	2.85	3.13	3.78	4.47	4.25	3.43
19	2.38	3.11	2.58	3.52	2.50	2.55	2.86	3.07	3.72	4.47	4.22	3.39
20	2.38	3.05	2.55	3.39	2.48	2.55	2.87	3.00	3.64	4.47	4.20	3.36
21	2.33	2.98	2.61	3.25	2.50	2.55	2.88	2.97	3.60	4.47	4.18	3.33
22	2.42	2.92	2.60	3.14	2.47	2.56	2.93	2.98	3.61	4.47	4.17	3.29
23	2.47	2.87	2.59	3.06	2.46	2.58	3.00	3.07	3.67	4.50	4.16	3.26
24	2.46	2.83	2.57	2.98	2.45	2.58	3.06	3.17	3.71	4.52	4.15	3.22
25	2.45	2.80	2.56	2.92	2.42	2.59	3.01	3.28	3.72	4.52	4.13	3.18
26	2.44	2.75	2.63	2.87	2.45	2.62	2.96	3.42	3.73	4.52	4.12	3.15
27	2.45	2.71	2.65	2.83	2.43	2.68	2.92	3.54	3.73	4.51	4.11	3.12
28	2.42	2.67	2.68	2.78	2.47	2.73	2.89	3.59	3.73	4.49	4.10	3.07
29	2.41	2.63	3.04	2.75	------	2.82	2.88	3.55	3.77	4.48	4.08	3.02
30	2.40	2.68	3.06	2.72	------	2.91	2.89	3.49	3.83	4.46	4.07	2.98
31	2.38	------	3.05	2.70	------	2.88	------	3.47	------	4.46	4.05	------
MEAN	2.48	3.09	2.68	2.96	2.50	2.66	2.84	3.30	3.64	4.41	4.28	3.53
MAX	2.64	5.00	3.06	3.57	2.69	2.91	3.06	3.59	3.86	4.87	4.47	4.03
MIN	2.33	2.28	2.55	2.65	2.42	2.55	2.67	2.96	3.40	3.91	4.05	2.98

CAL YR 1973 MAX 5.00 MIN 2.28
WTR YR 1974 MAX 5.00 MIN 2.28

10336626 TAYLOR CREEK NEAR CAMP RICHARDSON, CALIF.

(Formerly published as Taylor Creek near Tahoe Valley)

LOCATION.--Lat 38°55'20", long 120°03'35", in NE¼NE¼ sec.2, T.12 N., R.17 E., El Dorado County, Eldorado National Forest, on left bank 0.1 mi (0.2 km) downstream from Fallen Leaf Lake outlet, and 1.4 mi (2.3 km) southwest of Camp Richardson.

DRAINAGE AREA.--16.7 mi² (43.3 km²).

PERIOD OF RECORD.--October 1968 to current year. Prior to October 1973, published as "near Tahoe Valley."

GAGE.--Water-stage recorder. Datum of gage is 6,361.08 ft (1,938.857 m) above mean sea level.

AVERAGE DISCHARGE (unadjusted).--6 years, 53.1 ft³/s (1.503 m³/s), 38,470 acre-ft/yr (47.0 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,180 ft³/s (33.42 m³/s) Nov. 12 (gage height, 5.72 ft or 1.743 m); minimum daily, 4.9 ft³/s (0.139 m³/s) Oct. 3.

Period of record: Maximum discharge, 1,180 ft³/s (33.42 m³/s) Nov. 12, 1973 (gage height, 5.72 ft or 1.743 m); minimum daily, 0.20 ft³/s (0.006 m³/s) Oct. 4-7, 1970.

REMARKS.--Records good. Flow regulated by Fallen Leaf Lake Dam (see sta 10336625).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	11	48	68	45	36	76	67	221	33	20	8.2
2	5.0	11	50	60	42	50	79	84	221	18	12	8.0
3	4.9	11	48	54	39	59	68	106	226	15	10	7.4
4	5.1	11	44	49	37	54	60	123	234	15	10	10
5	5.1	11	41	49	35	51	56	135	228	15	11	15
6	5.3	14	39	50	32	47	51	151	235	14	11	17
7	5.3	22	36	47	31	44	48	173	237	14	10	18
8	5.3	38	34	43	29	39	47	208	220	19	9.7	19
9	5.1	48	32	40	28	37	45	233	202	139	9.5	19
10	9.5	97	31	37	27	34	42	247	201	375	8.8	19
11	13	435	32	35	26	33	40	241	175	208	7.1	18
12	12	987	32	37	26	34	39	235	127	103	6.4	19
13	12	605	33	35	25	31	39	213	143	48	6.1	19
14	12	465	32	36	24	29	39	196	157	27	6.2	19
15	12	327	31	110	23	29	41	186	164	26	6.4	19
16	11	228	30	187	24	29	43	163	166	26	6.3	19
17	11	167	32	217	22	29	47	138	162	26	6.0	19
18	11	137	30	220	22	29	52	122	159	26	6.0	19
19	11	102	29	260	27	29	55	103	153	26	6.0	19
20	11	87	29	217	27	29	57	90	141	24	5.9	19
21	11	75	30	168	28	29	59	79	132	24	6.0	19
22	11	64	30	125	27	29	62	77	108	16	6.0	18
23	11	57	29	100	25	30	72	85	75	5.7	6.0	19
24	11	54	28	86	24	31	87	105	75	10	6.0	19
25	12	50	27	73	23	33	87	136	75	15	6.0	18
26	12	47	27	64	24	34	77	176	73	17	6.3	19
27	11	43	34	58	27	38	69	229	73	22	6.1	21
28	11	41	34	53	24	45	63	266	71	26	6.1	21
29	11	39	56	50	------	56	60	261	62	24	6.0	21
30	11	36	76	47	------	61	59	237	55	21	6.0	21
31	11	------	73	47	------	64	------	222	------	14	6.7	------
TOTAL	294.7	4,320	1,157	2,722	793	1,202	1,719	5,087	4,571	1,391.7	241.6	525.6
MEAN	9.51	144	37.3	87.8	28.3	38.8	57.3	164	152	44.9	7.79	17.5
MAX	13	987	76	260	45	64	87	266	237	375	20	21
MIN	4.9	11	27	35	22	29	39	67	55	5.7	5.9	7.4
AC-FT	585	8,570	2,290	5,400	1,570	2,380	3,410	10,090	9,070	2,760	479	1,040

CAL YR 1973 TOTAL 18,957.1 MEAN 51.9 MAX 987 MIN 4.7 AC-FT 37,600
WTR YR 1974 TOTAL 24,024.6 MEAN 65.8 MAX 987 MIN 4.9 AC-FT 47,650

10336630 EAGLE CREEK NEAR CAMP RICHARDSON, CALIF.

LOCATION.--Lat 38°57'05", long 120°06'38", in SW¼SW¼ sec.21, T.13 N., R.17 E., El Dorado County, Eldorado National Forest, on right bank at downstream edge of culvert on State Highway 89, 0.7 mi (1.3 km) northwest of Bay View Guard Station, and 4.0 mi (6.4 km) northwest of Camp Richardson.

DRAINAGE AREA.--6.38 mi^2 (16.5 km^2).

PERIOD OF RECORD.--October 1971 to September 1974 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 6,560 ft (1,999 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 343 ft^3/s (9.71 m^3/s) Nov. 12 (gage height, 3.82 ft or 1.164 m); minimum daily, 0.33 ft^3/s (0.009 m^3/s) Oct. 3.

Period of record: Maximum discharge, 343 ft^3/s (9.71 m^3/s) Nov. 12, 1973 (gage height, 3.82 ft or 1.164 m); minimum daily, 0.23 ft^3/s (0.007 m^3/s) Sept. 25, 1972.

REMARKS.--Records good except those for July to September, which are poor. Some minor natural regulation by Eagle Lake and other small lakes in the basin. Minor diversion above station for domestic use.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.39	4.2	10	22	11	13	16	51	133	71	14	9.1
2	.37	4.0	13	17	11	15	16	64	138	64	13	15
3	.33	3.6	14	14	10	16	14	64	151	54	16	14
4	.42	2.9	12	13	9.6	17	12	66	145	50	25	13
5	.47	4.0	9.9	12	9.3	16	12	72	143	46	22	12
6	.58	22	9.3	13	8.8	12	11	86	157	42	17	12
7	1.1	117	9.1	13	8.1	9.6	11	113	149	39	14	10
8	2.2	78	8.8	12	7.8	8.6	12	126	116	45	12	9.1
9	2.9	67	8.8	10	7.8	7.6	13	138	114	330	10	8.6
10	3.1	213	8.8	9.3	7.8	7.3	12	122	130	190	9.5	7.8
11	2.9	287	9.1	8.6	7.8	7.1	12	112	135	100	9.0	6.6
12	2.7	253	9.3	8.8	7.6	7.3	14	101	142	75	8.5	6.1
13	2.7	89	10	8.3	7.8	7.3	16	87	136	64	8.0	5.5
14	2.7	56	10	16	7.6	7.6	18	86	126	57	7.7	5.2
15	2.9	36	9.3	182	7.1	10	25	84	116	51	7.4	4.6
16	2.9	28	8.6	138	7.3	12	31	63	105	47	7.0	4.6
17	2.9	27	12	94	7.6	12	36	46	95	42	6.8	4.4
18	2.7	27	11	112	7.3	11	39	34	90	39	6.6	4.0
19	2.5	23	9.6	114	9.3	10	26	27	76	36	6.4	3.8
20	2.4	19	8.6	57	8.3	11	24	24	60	33	6.2	3.4
21	2.7	18	8.3	35	7.6	12	29	29	63	30	5.9	3.3
22	3.8	16	9.1	26	7.3	13	43	48	76	28	5.7	2.7
23	9.9	15	8.8	21	6.6	14	43	77	79	26	5.5	2.4
24	10	14	8.1	18	6.1	16	31	100	72	24	5.3	2.4
25	8.3	13	7.6	17	6.1	18	24	116	64	23	5.1	2.2
26	6.9	13	7.3	15	6.6	16	19	145	59	21	4.8	2.2
27	6.4	12	9.9	14	6.6	15	17	167	52	20	4.0	2.2
28	6.1	12	10	13	6.4	15	17	167	52	18	5.0	2.2
29	5.7	12	63	12	------	18	19	131	60	17	5.0	2.2
30	4.6	10	44	11	------	16	27	113	67	16	5.7	2.2
31	4.2	------	30	11	------	15	------	120	------	15	7.3	------
TOTAL	107.76	1,495.7	407.3	1,067.0	222.2	385.4	639	2,779	3,101	1,713	285.4	182.8
MEAN	3.48	49.9	13.1	34.4	7.94	12.4	21.3	89.6	103	55.3	9.21	6.09
MAX	10	287	63	182	11	18	43	167	157	330	25	15
MIN	.33	2.9	7.3	8.3	6.1	7.1	11	24	52	15	4.0	2.2
AC-FT	214	2,970	808	2,120	441	764	1,270	5,510	6,150	3,400	566	363

CAL YR 1973 TOTAL 8,732.00 MEAN 23.9 MAX 287 MIN .27 AC-FT 17,320
WTR YR 1974 TOTAL 12,385.56 MEAN 33.9 MAX 330 MIN .33 AC-FT 24,570

NOTE.--No gage-height record July 9 to Aug. 2.

10336640 MEEKS CREEK AT MEEKS BAY, CALIF.

LOCATION.--Lat 39°02'09", long 120°07'23", in NE¼NW¼ sec.29, T.14 N., R.17 E., El Dorado County, Eldorado National Forest, on left bank on upstream side of State Highway 89 culvert, 0.1 mi (0.2 km) north of Meeks Bay Fire Department.

DRAINAGE AREA.--8.08 mi² (20.93 km²).

PERIOD OF RECORD.--October 1971 to September 1974 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 6,230 ft (1,899 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 526 ft³/s (14.9 m³/s) Nov. 12 (gage height, 4.09 ft or 1.247 m); minimum daily, 0.02 ft³/s (0.001 m³/s) Oct. 1-7.

Period of record: Maximum discharge, 526 ft³/s (14.9 m³/s) Nov. 12, 1973 (gage height, 4.09 ft or 1.247 m); minimum daily, 0.02 ft³/s (0.001 m³/s) Sept. 27-30, Oct. 1-7, 1973.

REMARKS.--Records good. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	.58	10	23	18	22	32	50	100	27	3.0	.10
2	.02	.43	16	21	17	24	32	68	106	24	2.4	.10
3	.02	.30	16	18	16	24	24	75	103	20	2.1	.05
4	.02	.20	13	16	15	22	22	74	103	18	2.7	.05
5	.02	.43	12	15	14	18	22	78	93	15	4.3	.05
6	.02	2.4	10	14	14	14	22	86	99	13	3.4	.05
7	.02	3.0	11	14	13	14	21	104	96	12	2.7	.05
8	.04	11	10	14	12	13	23	121	74	12	2.1	.05
9	.04	6.8	9.2	13	12	12	25	128	67	82	1.5	.05
10	.04	38	9.2	12	11	11	22	120	78	87	1.2	.04
11	.05	209	10	11	11	11	22	106	78	36	.96	.05
12	.05	262	11	12	10	12	25	100	83	24	.73	.05
13	.10	58	11	11	10	12	27	86	76	19	.58	.10
14	.10	37	12	12	10	13	28	83	72	16	.43	.10
15	.20	28	11	47	10	15	32	86	64	13	.43	.10
16	.05	25	9.2	116	10	16	38	74	56	12	.43	.10
17	.05	29	14	113	10	18	42	58	52	10	.30	.10
18	.10	28	17	79	10	18	48	47	51	9.2	.30	.10
19	.20	20	13	130	11	17	40	40	47	7.8	.30	.10
20	.58	14	12	67	12	17	36	36	39	8.5	.20	.10
21	.58	14	12	43	10	18	38	36	36	11	.20	.10
22	.73	13	14	35	10	20	47	46	40	8.5	.20	.10
23	1.5	12	12	30	8.5	20	55	67	40	5.3	.20	.10
24	1.5	12	11	27	8.5	22	45	86	35	4.3	.20	.10
25	1.2	10	11	24	8.5	24	40	97	32	3.8	.20	.10
26	.96	12	12	24	8.5	24	32	117	29	3.4	.10	.05
27	.96	11	17	21	9.2	24	29	137	26	2.7	.10	.05
28	.73	10	20	20	8.5	25	29	132	25	2.7	.10	.05
29	.73	11	49	19	------	36	31	107	27	2.7	.10	.05
30	.73	12	62	19	------	37	35	86	28	3.8	.10	.05
31	.58	------	32	18	------	28	------	90	------	3.4	.10	------
TOTAL	11.94	890.14	488.6	1,038	317.7	601	964	2,621	1,855	517.1	31.66	2.24
MEAN	.39	29.7	15.8	33.5	11.3	19.4	32.1	84.5	61.8	16.7	1.02	.075
MAX	1.5	262	62	130	18	37	55	137	106	87	4.3	.10
MIN	.02	.20	9.2	11	8.5	11	21	36	25	2.7	.10	.04
AC-FT	24	1,770	969	2,060	630	1,190	1,910	5,200	3,680	1,030	63	4.4

CAL YR 1973 TOTAL 6,716.29 MEAN 18.4 MAX 262 MIN .02 AC-FT 13,320
WTR YR 1974 TOTAL 9,338.38 MEAN 25.6 MAX 262 MIN .02 AC-FT 18,520

PEAK DISCHARGE (BASE, 30 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-12	0700	4.09	526	5-10	0100	2.79	158
12-30	1300	2.23	72	5-27	0200	2.90	180
1-16	1200	2.65	132	7-9	2230	2.79	158
1-19	0400	2.76	152				

10336650 QUAIL LAKE CREEK NEAR HOMEWOOD, CALIF.

LOCATION.--Lat 39°04'34", long 120°09'06", in SW¼NW¼ sec.7, T.14 N., R.17 E., Placer County, Tahoe National Forest, on left bank 93 ft (28 m) upstream from State Highway 89, and 0.5 mi (0.80 km) southeast of Homewood.

DRAINAGE AREA.--0.95 mi² (2.46 km²).

PERIOD OF RECORD.--October 1971 to September 1974 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 6,330 ft (1,929 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 18 ft³/s (0.51 m³/s) May 7 (gage height, 2.35 ft or 0.716 m); minimum daily, 0.24 ft³/s (0.007 m³/s) Sept. 19, 20.

Period of record: Maximum discharge, 24 ft³/s (0.68 m³/s) May 14, 1973 (gage height, 2.42 ft or 0.738 m); minimum daily, 0.17 ft³/s (0.005 m³/s) Aug. 9-15, 23-28, 1972.

REMARKS.--Records good. Slight regulation at times from Quail Lake. No known diversions above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.32	.36	1.0	3.2	1.8	1.0	3.4	6.1	12	2.7	.67	.32
2	.32	.42	1.2	2.6	1.6	1.8	3.2	7.7	12	2.6	.60	.32
3	.36	.36	1.0	2.1	1.6	2.0	2.6	9.4	13	2.2	.60	.32
4	.36	.36	.95	2.0	1.4	2.0	2.2	10	12	1.8	.67	.32
5	.36	.42	.76	1.6	1.4	1.6	2.1	11	12	1.6	.85	.32
6	.36	1.2	.76	1.6	1.2	1.4	2.1	12	8.1	1.4	.67	.32
7	.54	2.1	.76	1.5	1.2	1.2	2.1	14	2.8	1.4	.60	.32
8	.54	.95	.67	1.4	1.0	1.2	2.2	16	3.0	1.8	.54	.28
9	.48	.85	.67	1.2	1.0	1.0	2.2	16	6.1	9.3	.48	.28
10	.42	1.4	.67	1.0	.95	1.0	2.1	15	8.2	7.3	.48	.28
11	.42	4.0	.67	.95	.95	.95	2.1	15	9.4	4.0	.48	.28
12	.42	11	.67	.95	.95	1.0	2.2	14	11	2.4	.42	.28
13	.36	7.5	.67	.95	.95	1.0	2.4	13	9.9	1.2	.36	.28
14	.36	4.8	.67	1.3	.85	1.0	2.6	12	9.4	.76	.36	.28
15	.36	2.8	.67	4.6	.85	1.4	2.8	12	9.9	.48	.36	.28
16	.36	2.7	.60	6.1	.85	1.6	3.6	11	8.7	.28	.36	.28
17	.36	3.0	1.0	9.7	.85	1.6	4.2	9.9	7.7	.54	.36	.28
18	.36	2.8	1.0	9.2	.76	1.6	4.6	8.0	7.0	1.4	.36	.32
19	.36	2.1	.85	12	.85	1.6	4.0	6.5	6.1	1.2	.32	.24
20	.42	1.8	.76	8.2	.94	1.6	4.2	5.6	5.2	1.2	.32	.24
21	.42	1.6	.76	5.4	1.0	1.6	4.4	6.1	4.8	1.0	.32	.32
22	.48	1.4	.76	4.0	.90	1.8	5.2	8.2	4.6	.95	.32	.32
23	.67	1.2	.76	3.4	.85	2.0	5.9	9.4	4.6	.85	.32	.32
24	.54	1.2	.76	3.0	.76	2.1	5.2	10	4.2	.76	.32	.48
25	.48	1.2	.67	2.7	.67	2.2	4.2	12	3.8	.76	.32	.54
26	.42	.95	.67	2.6	.68	2.4	3.8	15	3.4	.76	.32	.28
27	.42	.85	1.0	2.2	.67	2.7	3.2	15	3.2	.76	.32	.48
28	.42	.85	1.8	2.1	.67	2.7	3.4	15	3.0	.76	.32	.54
29	.42	.85	10	2.0	------	4.2	3.8	14	2.8	.76	.32	.67
30	.36	.76	6.5	1.8	------	3.8	4.6	12	2.8	.67	.32	.67
31	.36	------	4.8	1.6	------	3.2	------	12	------	.67	.32	------
TOTAL	12.83	61.78	43.68	102.95	28.07	56.25	100.6	352.9	210.7	54.26	13.38	10.46
MEAN	.41	2.06	1.41	3.32	1.00	1.81	3.35	11.4	7.02	1.75	.43	.35
MAX	.67	11	10	12	1.8	4.2	5.9	16	13	9.3	.85	.67
MIN	.32	.36	.60	.95	.60	.95	2.1	5.6	2.8	.28	.32	.24
AC-FT	25	123	87	204	56	112	200	700	418	108	27	21

CAL YR 1973 TOTAL 822.97 MEAN 2.25 MAX 22 MIN .26 AC-FT 1,630
WTR YR 1974 TOTAL 1,047.86 MEAN 2.87 MAX 16 MIN .24 AC-FT 2,080

10336660 BLACKWOOD CREEK NEAR TAHOE CITY, CALIF.

LOCATION.--Lat 39°06'26", long 120°09'40", in NE¼NW¼ sec.36, T.15 N., R.16 E., Placer County, on right bank 300 ft (91 m) upstream from bridge on State Highway 89, 1,000 ft (305 m) upstream from Lake Tahoe, and 4.6 mi (7.4 km) south of Tahoe City.

DRAINAGE AREA.--11.2 mi² (29.0 km²).

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,240 ft (1,902 m) from topographic map. Oct. 1, 1964, to Aug. 27, 1970, at site 400 ft (122 m) downstream at datum 12 ft (3.658 m) lower. Prior to Oct. 1, 1964, at site 400 ft (122 m) downstream at datum 10.25 ft (3.124 m) lower.

AVERAGE DISCHARGE.--14 years, 38.9 ft³/s (1.102 m³/s), 28,180 acre-ft/yr (34.7 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 704 ft³/s (19.9 m³/s) Nov. 12 (gage height, 3.64 ft or 1.109 m); minimum daily, 2.0 ft³/s (0.057 m³/s) Oct. 1.

Period of record: Maximum discharge, 2,100 ft³/s (59.5 m³/s) Dec. 22 or 24, 1964, from indirect measurement of peak flow; maximum gage height, 9.90 ft (3.018 m) Dec. 22, 1964; minimum discharge, 0.30 ft³/s (0.008 m³/s) Sept. 19, 1968.

REMARKS.--Records good except those for winter months, which are fair. No known diversion or regulation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	4.1	19	35	35	25	40	112	197	57	11	3.8
2	2.1	4.1	22	31	32	30	37	130	201	50	10	3.8
3	2.1	3.9	18	30	31	29	34	140	232	46	11	3.9
4	2.1	3.5	17	29	30	26	33	145	216	43	18	3.6
5	2.3	8.5	17	28	30	24	34	155	216	40	18	3.5
6	2.3	10	16	27	28	23	33	174	216	36	12	3.4
7	2.8	72	16	25	28	23	33	217	188	33	10	3.4
8	2.8	34	16	23	26	21	35	251	152	50	9.6	3.2
9	2.7	28	16	22	26	20	37	259	152	302	8.7	3.2
10	2.7	109	15	22	25	20	33	244	167	124	7.8	3.1
11	2.7	311	15	21	24	20	34	229	180	78	7.2	3.1
12	2.5	318	15	20	23	20	39	213	173	62	6.7	3.1
13	2.6	99	16	20	22	19	42	188	171	55	6.3	3.2
14	2.7	69	16	31	21	22	45	186	169	48	6.1	3.2
15	2.7	57	14	169	20	25	56	180	144	44	6.0	3.2
16	2.7	55	13	137	19	27	66	149	126	40	5.7	3.1
17	2.7	56	20	208	19	28	75	119	117	37	5.7	3.0
18	2.8	41	18	186	19	28	81	98	109	34	5.4	2.9
19	2.9	33	17	188	19	28	66	86	94	30	5.1	2.9
20	3.3	31	16	113	20	30	68	79	82	28	5.4	2.7
21	3.0	28	16	86	18	32	77	89	88	26	5.3	2.7
22	4.0	25	15	69	17	34	95	113	92	25	5.0	2.6
23	5.6	22	14	60	17	36	97	139	88	22	4.8	2.5
24	4.3	22	14	55	16	41	74	169	76	20	4.6	2.5
25	4.6	21	14	50	16	43	61	204	68	19	4.5	2.7
26	4.8	21	14	46	16	41	55	255	61	17	4.3	2.7
27	4.9	20	16	43	16	42	51	268	56	16	4.1	2.7
28	5.0	20	19	41	15	37	54	261	57	16	3.9	2.6
29	4.8	20	118	39	------	57	62	225	61	14	3.8	2.6
30	4.2	20	60	38	------	55	79	184	62	13	3.7	2.6
31	4.1	------	45	37	------	42	------	184	------	12	3.6	------
TOTAL	100.8	1,566.1	677	1,929	628	948	1,626	5,445	4,011	1,437	223.3	91.5
MEAN	3.25	52.2	21.8	62.2	22.4	30.6	54.2	176	134	46.4	7.20	3.05
MAX	5.6	318	118	208	35	57	97	268	232	302	18	3.9
MIN	2.0	3.5	13	20	15	19	33	79	56	12	3.6	2.5
AC-FT	200	3,110	1,340	3,830	1,250	1,880	3,230	10,800	7,960	2,850	443	181

CAL YR 1973 TOTAL 13,718.5 MEAN 37.6 MAX 318 MIN 1.8 AC-FT 27,210
WTR YR 1974 TOTAL 18,682.7 MEAN 51.2 MAX 318 MIN 2.0 AC-FT 37,060

PEAK DISCHARGE (BASE, 200 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-12	0500	3.64	704	5-9	2000	2.46	341
1-17	0400	2.29	293	5-28	2000	2.62	385
1-18	2130	2.28	290	7-9	1630	3.02	517

10336670 WARD CREEK NEAR TAHOE PINES, CALIF.

LOCATION.--Lat 39°08'09", long 120°13'11", in SE¼NW¼ sec.21, T.15 N., R.16 E., Placer County, Tahoe National Forest, on right bank 0.5 mi (0.8 km) upstream from confluence with tributary, 3.9 mi (6.3 km) northwest of Tahoe Pines, and 4.8 mi (7.7 km) southwest of Tahoe City.

DRAINAGE AREA.--2.03 mi² (5.26 km²).

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,740 ft (2,054 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 199 ft³/s (5.63 m³/s) Nov. 12 (gage height, 3.12 ft or 0.951 m); maximum gage height, 3.34 ft (1.018 m) Mar. 1 (backwater from ice); minimum daily discharge, 0.34 ft³/s (0.01 m³/s) Oct. 1-4.

Period of record: Maximum discharge, 199 ft³/s (5.63 m³/s) Nov. 12, 1973 (gage height, 3.12 ft or 0.951 m); maximum gage height, 4.12 ft (1.256 m) Jan. 12, 1973 (backwater from ice); minimum daily discharge, 0.34 ft³/s (0.01 m³/s) Sept. 7-19, 27-30, Oct. 1-4, 1973.

REMARKS.--Records good except those for the winter period, which are fair. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.34	.93	3.5	4.8	5.1	3.1	3.8	14	55	23	3.8	.78
2	.34	.81	3.3	4.5	4.5	3.4	3.6	17	56	21	3.5	.78
3	.34	.81	3.3	4.2	4.2	3.5	3.3	18	56	19	3.3	.78
4	.34	.81	3.3	4.0	4.2	3.2	3.3	18	49	17	6.7	.71
5	.38	.93	3.3	4.0	4.0	3.1	3.5	20	53	16	3.8	.71
6	.38	3.8	3.3	3.8	4.0	2.9	3.5	24	54	14	2.9	.71
7	.75	22	3.3	3.5	3.8	2.9	3.5	32	50	14	2.6	.71
8	.75	4.3	3.1	3.3	3.8	2.8	4.0	37	43	24	2.4	.65
9	.75	8.5	3.1	3.3	3.8	2.8	4.2	38	45	89	2.2	.65
10	.58	29	3.1	3.1	3.8	2.8	3.8	36	52	35	2.0	.65
11	.58	89	3.1	3.1	3.8	2.6	4.0	35	58	22	1.9	.65
12	.58	61	3.0	2.9	3.8	2.6	4.5	33	58	18	1.7	.65
13	.63	15	3.0	2.9	3.5	2.4	5.1	31	57	16	1.6	.65
14	.58	11	2.9	5.3	3.5	2.6	6.0	32	56	14	1.6	.59
15	.53	9.8	2.8	24	3.3	3.1	7.8	30	48	12	1.5	.59
16	.53	8.2	2.8	15	3.3	3.3	8.2	25	43	11	1.4	.54
17	.53	7.8	3.8	22	3.3	3.3	9.4	20	40	10	1.3	.54
18	.48	7.0	3.3	21	3.2	3.1	9.0	16	37	9.4	1.3	.54
19	.53	5.7	3.1	20	3.1	2.9	6.6	14	32	9.0	1.2	.54
20	.81	5.4	2.9	14	3.1	3.1	7.0	13	29	8.2	1.2	.49
21	.63	4.8	3.1	11	2.9	3.8	8.6	17	29	7.8	1.1	.49
22	1.4	4.5	2.8	9.0	2.9	4.2	12	23	30	7.0	1.1	.49
23	1.4	4.5	2.8	8.2	2.8	4.5	11	29	29	6.6	1.0	.49
24	2.3	4.2	2.6	7.8	2.8	5.1	7.8	36	27	6.0	1.0	.49
25	1.2	4.1	2.9	7.4	2.9	5.1	6.6	42	25	5.7	.92	.49
26	1.2	4.0	2.8	6.3	2.9	4.0	6.0	57	23	5.4	.92	.49
27	1.2	3.8	2.8	6.0	2.9	4.0	5.7	63	20	5.1	.92	.49
28	1.0	4.0	3.1	5.7	2.9	5.1	6.0	66	22	4.5	.92	.49
29	.87	4.0	29	5.7	------	4.8	6.6	52	24	4.2	.85	.49
30	.87	3.5	9.0	5.4	------	6.3	9.8	48	24	4.0	.85	.49
31	.93	------	6.0	5.1	------	4.8	------	50	------	3.8	.85	------
TOTAL	23.73	333.19	130.2	246.3	98.1	111.2	184.2	986	1,224	461.7	58.33	17.81
MEAN	.77	11.1	4.20	7.95	3.50	3.59	6.14	31.8	40.8	14.9	1.88	.59
MAX	2.3	89	29	24	5.1	6.3	12	66	58	89	6.7	.78
MIN	.34	.81	2.6	2.9	2.8	2.4	3.3	13	20	3.8	.85	.49
AC-FT	47	661	258	489	195	221	365	1,960	2,430	916	116	35

CAL YR 1973 TOTAL 3,074.65 MEAN 8.42 MAX 89 MIN .34 AC-FT 6,100
WTR YR 1974 TOTAL 3,874.76 MEAN 10.6 MAX 89 MIN .34 AC-FT 7,690

PEAK DISCHARGE (BASE, 20 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-12	0230	3.12	199	1-18	2000	2.40	34
12-29	1000	2.76	82	5-9	1830	2.58	54
1-15	0600	2.36	31	5-27	1830	2.83	95
1-17	0200	2.38	32	7-9	1500	3.09	162

10336672 WARD CREEK TRIBUTARY NEAR TAHOE PINES, CALIF.

LOCATION.--Lat 39°08'29", long 120°13'06", in SE¼SW¼ sec.16, T.15 N., R.16 E., Placer County, on left bank 0.3 mi (0.5 km) upstream from confluence with Ward Creek, 4.0 mi (6.4 km) northwest of Tahoe Pines, and 4.5 mi (7.2 km) southwest of Tahoe City.

DRAINAGE AREA.--0.91 mi^2 (2.4 km^2).

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,710 ft (2,045 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 116 ft^3/s (3.29 m^3/s) Nov. 12 (gage height, 3.30 ft or 1.006 m), from rating curve extended above 50 ft^3/s (1.416 m^3/s); no flow many days in October and September.

Period of record: Maximum discharge, 116 ft^3/s (3.29 m^3/s) Nov. 12, 1973 (gage height, 3.30 ft or 1.006 m), from rating curve extended above 50 ft^3/s (1.416 m^3/s); no flow at times each year.

REMARKS.--Records good. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.15	2.3	2.9	2.0	1.4	2.0	10	23	8.6	.50	.01
2	0	.11	2.1	2.6	1.8	1.5	1.8	12	25	7.3	.33	.01
3	.01	.05	1.8	2.4	1.8	1.4	1.8	14	25	6.3	.33	.01
4	.01	.02	1.6	2.3	1.7	1.3	1.8	14	24	5.9	1.2	.01
5	.02	.01	1.6	2.1	1.7	1.2	1.9	14	24	5.3	.91	.01
6	0	2.1	1.6	2.0	1.6	1.2	1.8	16	24	4.9	.56	.01
7	.01	12	1.6	1.9	1.5	1.1	1.8	22	20	4.4	.44	.01
8	.01	4.5	1.5	1.8	1.5	1.1	1.9	24	16	7.9	.38	0
9	0	6.0	1.5	1.8	1.4	1.0	2.0	25	18	38	.33	0
10	0	19	1.5	1.7	1.4	1.0	1.9	23	20	17	.28	0
11	0	63	1.5	1.7	1.3	1.0	2.0	22	22	9.4	.23	0
12	0	38	1.5	1.6	1.3	.98	2.2	19	23	7.3	.19	0
13	0	9.4	1.5	1.6	1.2	.98	2.5	16	22	6.1	.19	0
14	0	6.3	1.5	2.6	1.2	1.1	2.6	18	23	5.1	.19	0
15	0	5.3	1.5	12	1.2	1.3	2.4	16	18	4.5	.15	0
16	0	4.4	1.5	7.6	1.1	1.5	4.7	13	16	3.9	.15	0
17	0	4.0	1.9	8.8	1.1	1.5	5.7	10	15	3.6	.11	0
18	0	3.8	1.6	9.1	1.1	1.5	6.3	8.0	14	3.2	.11	0
19	0	3.4	1.5	9.4	1.1	1.5	4.7	6.6	11	2.9	.11	0
20	0	3.3	1.4	5.9	1.1	1.5	4.4	5.9	10	2.6	.11	0
21	0	3.0	1.4	4.5	1.0	1.8	4.7	7.3	11	2.4	.11	0
22	.03	2.7	1.3	3.9	1.0	2.0	7.0	12	12	2.0	.08	0
23	.08	2.6	1.2	3.4	1.0	2.2	7.8	16	11	1.8	.08	0
24	.01	2.4	1.2	3.0	1.0	2.6	5.5	20	10	1.7	.05	0
25	.03	2.3	1.2	2.9	1.0	3.2	4.4	23	8.8	1.5	.05	0
26	.05	2.1	1.2	2.6	1.0	2.7	3.6	29	7.6	1.2	.05	0
27	.08	2.0	1.2	2.5	.98	2.5	3.4	33	7.0	1.1	.03	0
28	.15	2.0	1.6	2.3	1.0	2.3	3.6	30	7.8	1.0	.03	0
29	.05	2.0	8.9	2.3	------	2.5	3.9	23	8.8	.77	.02	0
30	.03	2.0	4.4	2.2	------	2.4	5.5	20	8.6	.70	.02	0
31	.03	------	3.3	2.0	------	2.2	------	20	------	.66	.02	------
TOTAL	.60	207.94	59.4	113.4	36.08	51.46	105.6	541.8	485.6	169.03	7.34	.07
MEAN	.019	6.93	1.92	3.66	1.29	1.66	3.52	17.5	16.2	5.45	.24	.002
MAX	.15	63	8.9	12	2.0	3.2	7.8	33	25	38	1.2	.01
MIN	0	.01	1.2	1.6	.98	.98	1.8	5.9	7.0	.66	.02	0
AC-FT	1.2	412	118	225	72	102	209	1,070	963	335	15	.1

CAL YR 1973 TOTAL 1,365.27 MEAN 3.74 MAX 63 MIN 0 AC-FT 2,710
WTR YR 1974 TOTAL 1,778.32 MEAN 4.87 MAX 63 MIN 0 AC-FT 3,530

PEAK DISCHARGE (BASE, 10 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-12	0200	3.30	116	1-18	1900	2.33	16
12-29	1200	2.32	15	5-9	1800	2.62	36
1-15	1400	2.28	14	5-27	1800	2.76	47
1-16	0300	2.24	14	7-9	1530	2.95	66

10336676 WARD CREEK AT STATE HIGHWAY 89, NEAR TAHOE PINES, CALIF.

LOCATION.--Lat 39°07'56", long 120°09'24", in NW¼SE¼ sec.24, T.15 N., R.16 E., Placer County, Tahoe National Forest, on right bank 165 ft (50 m) downstream from State Highway 89 bridge, 2.1 mi (3.4 km) north of Tahoe Pines, and 2.6 mi (4.2 km) southwest of Tahoe City.

DRAINAGE AREA.--9.70 mi² (25.1 km²).

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,230 ft (1,899 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 800 ft³/s (22.7 m³/s) Nov. 12 (gage height, 6.65 ft or 2.027 m), from rating extended above 310 ft³/s (8.78 m³/s); minimum daily, 1.4 ft³/s (0.040 m³/s) Oct. 1, 2.

Period of record: Maximum discharge, 800 ft³/s (22.7 m³/s) Nov. 12, 1973 (gage height, 6.65 ft or 2.027 m), from rating extended above 310 ft³/s (8.78 m³/s); maximum gage height, 7.18 ft (2.188 m) Dec. 17, 1972 (backwater from ice); minimum daily discharge, 1.0 ft³/s (0.028 m³/s) Aug. 19-21, Sept. 4-19, 1973.

REMARKS.--Records good. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	2.1	18	30	24	24	25	71	162	44	8.9	2.4
2	1.4	2.1	20	29	23	26	25	87	180	40	8.3	2.4
3	1.6	1.9	16	28	24	24	22	95	186	35	7.6	2.4
4	1.6	1.8	14	27	22	22	22	101	165	33	11	2.2
5	1.6	2.5	14	26	20	20	22	109	165	30	11	2.2
6	1.6	8.8	14	24	20	19	22	123	162	27	8.3	2.2
7	2.5	37	14	20	19	18	22	151	149	25	7.3	2.2
8	3.1	16	14	18	19	18	24	165	125	43	6.8	2.1
9	2.6	16	14	18	18	17	25	172	123	281	6.0	2.1
10	2.5	59	14	17	18	17	23	165	133	112	5.8	2.1
11	2.4	229	14	17	18	17	24	160	143	[illegible]	5.6	2.1
12	2.2	245	15	17	18	17	25	153	141	[illegible]	5.1	2.1
13	2.1	53	15	17	17	16	27	139	139	38	4.9	2.1
14	2.1	39	14	23	17	17	29	139	135	30	4.7	2.1
15	2.1	31	14	108	16	18	35	133	119	26	4.7	1.9
16	2.2	27	13	81	16	20	41	109	103	22	4.5	1.9
17	2.2	26	18	126	16	20	45	89	93	22	4.1	1.9
18	2.2	25	16	119	16	20	49	69	89	22	3.8	1.9
19	2.2	21	14	121	16	20	41	60	75	19	3.6	1.9
20	2.6	20	14	75	17	20	41	55	64	18	3.6	1.9
21	2.8	20	14	57	16	22	45	66	63	16	3.6	1.8
22	3.2	18	13	47	15	23	57	89	65	16	3.6	1.8
23	4.6	17	13	40	14	25	59	113	61	15	3.3	1.8
24	2.8	18	13	36	14	28	46	133	57	14	3.0	1.8
25	2.8	17	13	33	14	30	39	153	50	13	2.8	1.8
26	3.0	18	13	31	14	27	35	198	45	13	2.8	1.8
27	2.8	16	13	29	14	26	32	217	41	12	2.6	1.7
28	2.6	16	16	27	14	24	34	217	41	11	2.6	1.7
29	2.2	17	104	26	------	33	39	165	44	10	2.6	1.7
30	2.1	16	51	25	------	33	50	149	45	9.2	2.5	1.8
31	2.1	------	35	24	------	27	------	151	------	8.9	2.5	------
TOTAL	73.2	1,036.2	597	1,316	489	688	1,025	3,996	3,163	1,110.1	157.5	59.8
MEAN	2.36	34.5	19.3	42.5	17.5	22.2	34.2	129	105	35.8	5.08	1.99
MAX	4.6	245	104	126	24	33	59	217	186	281	11	2.4
MIN	1.4	1.8	13	17	14	16	22	55	41	8.9	2.5	1.7
AC-FT	145	2,060	1,180	2,610	970	1,360	2,030	7,930	6,270	2,200	312	119

CAL YR 1973 TOTAL 9,846.2 MEAN 27.0 MAX 245 MIN 1.0 AC-FT 19,530
WTR YR 1974 TOTAL 13,710.8 MEAN 37.6 MAX 281 MIN 1.4 AC-FT 27,200

PEAK DISCHARGE (BASE, 100 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-12	0330	6.65	800	1-18	2000	5.52	186
12-29	1200	5.54	192	5-9	1800	5.71	249
1-15	0600	5.32	139	5-27	2000	5.87	313
1-17	0400	5.44	165	7-9	1600	6.30	540

10336684 DOLLAR CREEK NEAR TAHOE CITY, CALIF.

LOCATION.--Lat 39°11'55", long 120°05'50", in SE¼SW¼ sec.28, T.16 N., R.17 E., Placer County, on right bank 30 ft (9 m) upstream from culvert on State Highway 28, 1,000 ft (300 m) upstream from Lake Tahoe, and 2.8 mi (4.5 km) northeast of Tahoe City.

DRAINAGE AREA.--1.07 mi² (2.77 km²).

PERIOD OF RECORD.--June 1972 to September 1974 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 6,310 ft (1,923 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 9.1 ft³/s (0.26 m³/s) Apr. 17 (gage height, 1.87 ft or 0.570 m); minimum daily, 0.03 ft³/s (0.85 m³/s) Aug. 8-10, 15, 20, 22-24, 27-31.

Period of record: Maximum discharge, 32 ft³/s (0.91 m³/s) Apr. 27, 1973 (gage height, 2.02 ft or 0.616 m), from rating curve extended above 10 ft³/s (0.28 m³/s); no flow Aug. 1, 2, 19-22, 1973.

REMARKS.--Records good. Regulation and diversion for local water supply at Dollar Reservoir and return flow from a storage tank just upstream from the station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.09	.20	.35	.80	.85	1.2	3.6	5.4	.60	.07	.05	.05
2	.08	.24	.32	.52	.75	1.6	3.5	5.9	.65	.06	.04	.05
3	.07	.24	.28	.48	.75	1.3	3.0	5.7	.48	.05	.08	.04
4	.06	.20	.28	.44	.75	1.1	2.7	5.4	.40	.06	.15	.05
5	.08	.17	.28	.44	.70	1.1	2.8	5.0	.36	.05	.09	.05
6	.07	.44	.28	.40	.65	1.1	3.0	4.8	.32	.10	.07	.11
7	.10	.52	.28	.36	.60	1.1	3.2	5.0	.32	.11	.05	.13
8	.12	.36	.28	.36	.56	1.1	3.5	5.0	.36	.15	.03	.17
9	.12	.32	.28	.40	.56	1.0	3.9	4.4	.40	.60	.03	.13
10	.13	.40	.28	.40	.60	.95	3.4	3.8	.20	.48	.03	.12
11	.15	.94	.32	.32	.60	.95	3.6	3.6	.24	.20	.09	.12
12	.15	1.7	.28	.32	.60	.95	4.1	3.4	.24	.12	.06	.13
13	.15	.80	.32	.32	.56	.95	4.2	2.7	.17	.10	.04	.13
14	.15	.60	.24	.42	.56	1.2	4.4	2.4	.17	.13	.04	.13
15	.12	.48	.24	1.8	.52	1.6	5.4	2.4	.36	.09	.03	.15
16	.11	.52	.24	2.4	.52	2.1	6.7	2.0	.40	.08	.04	.12
17	.11	.65	.48	4.1	.48	2.5	7.5	1.8	.28	.09	.05	.10
18	.11	.65	.40	4.4	.48	2.4	7.9	1.6	.24	.08	.08	.11
19	.11	.44	.32	5.7	.52	2.4	6.4	1.4	.28	.07	.05	.12
20	.13	.40	.28	3.8	.52	2.5	6.2	1.3	.24	.10	.03	.11
21	.13	.40	.28	2.4	.48	3.0	6.2	1.2	.20	.12	.04	.11
22	.20	.36	.28	1.8	.48	3.2	7.5	1.1	.24	.08	.03	.12
23	.44	.20	.24	1.5	.48	3.6	7.5	1.0	.28	.06	.03	.08
24	.40	.20	.20	1.3	.48	3.9	5.9	.95	.12	.06	.03	.05
25	.40	.28	.20	1.2	.52	4.1	4.6	1.0	.11	.05	.08	.08
26	.28	.28	.20	1.1	.56	3.9	3.9	1.0	.11	.05	.06	.10
27	.20	.32	.24	1.0	.56	3.9	3.5	.90	.09	.06	.03	.11
28	.15	.32	.28	.95	.56	3.5	3.6	.90	.08	.10	.03	.10
29	.17	.36	2.0	.95	------	4.2	3.9	.80	.09	.07	.03	.11
30	.17	.36	1.6	.90	------	5.0	4.8	.75	.11	.04	.03	.08
31	.20	------	1.0	.85	------	3.8	------	.63	------	.05	.03	------
TOTAL	4.95	13.35	12.55	42.13	16.25	71.20	140.4	83.23	8.14	3.53	1.55	3.06
MEAN	.16	.45	.40	1.36	.58	2.30	4.68	2.68	.27	.11	.050	.10
MAX	.44	1.7	2.0	5.7	.85	5.0	7.9	5.9	.65	.60	.15	.17
MIN	.06	.17	.20	.32	.48	.95	2.7	.63	.08	.04	.03	.04
AC-FT	9.8	26	25	84	32	141	278	165	16	7.0	3.1	6.1

CAL YR 1973 TOTAL 400.81 MEAN 1.10 MAX 20 MIN 0 AC-FT 795
WTR YR 1974 TOTAL 400.34 MEAN 1.10 MAX 7.9 MIN .03 AC-FT 794

PEAK DISCHARGE (BASE, 5 FT³/S).--Jan. 18 (2200) 7.1 ft³/s (1.85 ft); Apr. 17 (2000) 9.1 ft³/s (1.87 ft).

10336710 Marlette Lake near Carson City, Nev.

LOCATION.--Lat 39°10'22", long 119°54'15", in SW¼SE¼ sec.12, T.15 N., R.18 E., Washoe County, on west shore, about 1,000 ft (305 m) upstream from left side of dam, and 7.5 mi (12.1 km) west of Carson City.

DRAINAGE AREA.--2.91 mi² (7.54 km²).

PERIOD OF RECORD.--November 1973 to September 1974.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (spillway elevation furnished in written communication from Walter Reid, 1971).

EXTREMES.--Maximum contents observed during period, 11,710 acre-ft (14.4 hm³), elevation, 7,837.8 ft (2,388.96 m) on many days May to August; minimum observed, 11,180 acre-ft (13.8 hm³), elevation, 7,836.4 ft (2,388.53 m) Nov. 11.

REMARKS.--Lake is formed by earth-fill dam across the outlet of a small natural lake (at one time called Goodwin Lake) on Marlette Creek, built in 1873 to provide water for fluming lumber from Spooner Summit to Carson City. The dam was built higher in 1876 and used to divert water by flume and siphon to Virginia City, until the flume was abandoned prior to 1963. The dam was raised to its present elevation in 1959. Present capacity, 11,780 acre-ft (14.5 hm³) at spillway elevation 7,838.0 ft (2,389.02 m). Figures given herein represent total contents. Stored water is used for spawning fish for Pyramid and Walker Lakes and in dry years is pumped over the mountain to the Hobart system for municipal and domestic use outside the basin, in Virginia City and Carson City. Lake freezes over in winter.

*AREA TABLE (elevation, in feet, and area in acres)

7,831	355	7,833	362	7,835	370	7,837	377
7,832	358	7,834	366	7,836	374	7,838	381

*CAPACITY TABLE (elevation, in feet, and contents, in acre-feet)

7,831	9,200	7,833	9,930	7,835	10,680	7,837	11,410
7,832	9,570	7,834	10,300	7,836	11,030	7,838	11,780

CONTENTS, IN ACRE-FEET, AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		———	———	———	———	11,410	11,450	11,450	11,710	———	11,710	11,630
2		———	———	———	———	———	11,450	11,450	11,670	———	11,710	11,630
3		———	———	———	11,410	———	11,450	11,450	11,670	———	11,710	11,630
4		———	———	———	11,410	———	11,450	11,450	11,670	———	11,710	11,630
5		———	———	———	11,410	———	11,450	11,450	11,670	———	11,710	11,630
6		———	———	———	11,410	———	11,450	11,450	———	———	11,710	11,630
7		———	———	———	11,410	———	11,450	11,480	———	———	11,710	11,630
8		———	———	———	11,410	———	11,450	11,480	———	———	11,710	11,630
9		———	———	———	11,410	———	11,450	11,480	———	———	11,710	11,630
10		———	———	———	11,410	———	11,450	11,520	———	———	11,710	11,630
11		11,180	———	11,370	11,410	———	11,450	11,520	———	11,710	11,710	11,590
12		———	———	———	11,410	———	11,450	11,550	———	11,710	11,710	11,590
13		———	———	———	11,410	———	11,450	11,590	———	11,710	11,710	11,590
14		———	———	———	11,410	11,450	11,450	11,590	———	11,710	11,710	11,590
15		———	———	———	11,410	11,450	11,450	11,630	———	11,710	11,670	11,590
16		———	———	———	11,410	11,450	11,450	11,630	———	11,710	11,670	11,590
17		———	———	———	11,410	11,450	11,450	11,630	———	11,710	11,670	11,590
18		———	———	———	11,410	11,450	11,450	11,630	———	11,710	11,670	11,550
19		———	———	———	11,410	11,450	11,450	11,630	———	11,710	11,670	11,550
20		———	———	———	11,410	11,450	11,450	11,630	———	11,710	11,670	11,550
21		———	———	———	11,410	11,450	11,450	11,630	———	11,710	11,670	11,550
22		———	———	———	11,410	11,450	11,450	11,630	———	11,710	11,670	11,550
23		———	———	———	11,410	11,450	11,450	11,630	———	11,710	11,670	11,550
24		———	———	———	11,410	11,450	11,450	11,670	———	11,710	11,630	11,550
25		———	———	———	11,410	11,450	11,450	11,670	———	11,710	11,630	11,550
26		———	———	———	11,410	11,450	11,450	11,670	———	11,750	11,630	11,550
27		11,260	———	———	11,410	11,450	11,450	11,670	———	11,750	11,630	11,550
28		———	———	———	11,410	11,450	11,450	11,710	———	11,710	11,630	11,550
29		———	———	———	------	11,450	11,450	11,710	———	11,710	11,630	11,550
30		g11,260	———	———	------	11,450	11,450	11,710	g11,710	11,710	11,630	11,550
31		------	g11,330	g11,410	------	11,450	------	11,710	------	11,710	11,630	------
MAX		———	———	———	———	———	11,450	11,710	———	———	11,710	11,630
MIN		———	———	———	———	———	11,450	11,450	———	———	11,630	11,550
(†)	———	7,836.6	7,836.6	7,836.9	7,837.0	7,837.1	7,837.1	7,837.8	7,837.7	7,837.8	7,837.6	7,837.4
(‡)	———	———	+70	+80	0	+40	0	+260	0	0	-80	-80

† ELEVATION, IN FEET, AT END OF MONTH.
‡ CHANGE IN CONTENTS, IN ACRE-FEET.

* Based on bathymetric survey by Geological Survey, 1972.
g Contents interpolated.

10336715 Marlette Creek near Carson City, Nev.

LOCATION.—Lat 39°10'20", long 119°54'25", in SE¼SW¼ sec.12, T.15 N., R.18 E., Washoe County, on left bank about 300 ft (91 m) below dam on Marlette Lake, 0.7 mi (1.1 km) upstream from Marlette Reservoir, and 7 mi (11 km) west of Carson City.

DRAINAGE AREA.—2.91 mi^2 (7.54 km^2).

PERIOD OF RECORD.—October 1973 to September 1974.

GAGE.—Water-stage recorder. Altitude of gage is 7,760 ft (2,365 m),from topographic map.

EXTREMES.—Current year: Maximum discharge, 8.2 ft^3/s (0.23 m^3/s) July 30, gage height, 2.14 ft (0.652 m); minimum daily, 0.03 ft^3/s (0.001 m^3/s) Aug. 24, 25.

REMARKS.—Records good. Flow regulated by Marlette Lake.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	3.0	3.6	3.5	3.6	4.3	4.5	4.3	6.8	.07	.11	.06
2	3.0	3.0	3.6	3.5	3.6	4.3	4.5	4.3	6.9	.07	.11	.06
3	3.0	3.0	3.6	3.5	3.7	4.3	4.4	4.2	6.9	.07	.09	.06
4	3.0	3.0	3.6	3.5	3.7	4.3	4.4	4.2	5.6	.07	.09	.06
5	3.0	3.0	3.6	3.5	3.7	4.3	4.5	4.2	5.0	.07	.08	.06
6	3.0	3.0	3.6	3.5	3.8	4.4	4.5	4.2	1.9	.07	.08	.07
7	3.0	3.0	3.6	3.5	3.8	4.4	4.5	4.2	.07	.07	.07	.07
8	3.0	3.0	3.6	3.5	3.9	4.3	4.5	4.2	.07	.07	.08	.07
9	3.0	3.0	3.6	3.5	3.9	4.3	4.5	4.2	.07	3.1	.07	.07
10	3.0	3.0	3.6	3.5	3.9	4.3	4.5	4.2	.07	6.2	.07	.07
11	3.0	3.5	3.6	3.5	3.9	4.3	4.5	4.2	.07	6.2	.06	.07
12	3.0	3.5	3.6	3.6	4.0	4.4	4.5	4.2	.07	2.6	.07	.07
13	3.0	3.5	3.6	3.6	4.0	4.4	4.5	4.2	.07	.09	.07	.07
14	3.0	3.5	3.6	3.6	4.0	4.5	4.5	4.2	.07	.09	.06	.06
15	3.0	3.5	3.6	3.6	4.0	4.5	4.4	4.2	.07	.09	.04	.06
16	3.0	3.5	3.6	3.7	4.0	4.5	4.4	4.2	.07	.09	.04	.06
17	3.0	3.5	3.6	3.7	4.0	4.5	4.3	4.2	.07	.09	.04	.06
18	3.0	3.5	3.6	3.7	4.1	4.5	4.3	3.7	.07	.11	.04	.06
19	3.0	3.5	3.6	3.7	4.1	4.5	4.3	3.2	.07	.09	.04	.06
20	3.0	3.5	3.6	3.7	4.1	4.5	4.3	3.2	.07	.11	.05	.06
21	3.0	3.5	3.6	3.7	4.1	4.5	4.3	3.2	.07	.11	.06	.06
22	3.0	3.5	3.6	3.7	4.2	4.5	4.3	3.2	.07	.11	.05	.06
23	3.0	3.5	3.6	3.6	4.2	4.5	4.3	3.2	.07	.11	.05	.06
24	3.0	3.5	3.6	3.6	4.2	4.5	4.3	3.2	.07	.11	.03	.06
25	3.0	3.5	3.6	3.6	4.2	4.5	4.3	3.2	.07	.13	.03	.06
26	3.0	3.5	3.7	3.6	4.2	4.5	4.3	2.9	.07	.13	.04	.06
27	3.0	3.5	3.7	3.6	4.2	4.5	4.3	3.0	.07	.13	.05	.06
28	3.0	3.5	3.7	3.6	4.2	4.5	4.3	1.4	.07	.16	.05	.06
29	3.0	3.5	3.7	3.7	------	4.5	4.3	3.8	.07	.16	.05	.06
30	3.0	3.5	3.6	3.7	------	4.5	4.3	7.0	.07	.81	.05	.06
31	3.0	------	3.6	3.6	------	4.5	------	6.8	------	.11	.05	------
TOTAL	93.0	100.0	112.0	111.4	111.3	137.3	131.8	122.6	34.78	21.49	1.87	1.88
MEAN	3.00	3.33	3.61	3.59	3.98	4.43	4.39	3.95	1.16	.69	.060	.063
MAX	3.0	3.5	3.7	3.7	4.2	4.5	4.5	7.0	6.9	6.2	.11	.07
MIN	3.0	3.0	3.6	3.5	3.6	4.3	4.3	1.4	.07	.07	.03	.06
AC-FT	184	198	222	221	221	272	261	243	69	43	3.7	3.7

WTR YR 1974 TOTAL 979.42 MEAN 2.68 MAX 7.0 MIN .03 AC-FT 1,940

10336730 Glenbrook Creek at Glenbrook, Nev.

LOCATION.--Lat 39°05'15", long 119°56'20", in [illegible] sec.10, T.14 N., R.18 E., Douglas County, on left bank 50 ft (15 m) upstream from culvert at gas station, 100 ft (30 m) upstream from mouth, at Glenbrook.

DRAINAGE AREA.--4.07 mi^2 (10.54 km^2).

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,240 ft (1,902 m), from topographic map.

EXTREMES.--Current year: Maximum discharge, 10 ft^3/s (0.28 m^3/s) May 8, gage height, 1.67 ft (0.509 m); minimum, 0.18 ft^3/s (0.005 m^3/s) part of each day Aug. 18-22.

Period of record: Maximum discharge, 10 ft^3/s (0.28 m^3/s) May 8, 1974, gage height, 1.67 ft (0.509 m); minimum, 0.09 ft^3/s (0.003 m^3/s) July 18, 1972, Aug. 16, 17, 1973.

REMARKS.--Records good. Flow may be affected by pumping or diverting for irrigation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.51	1.6	.94	1.4	.84	2.2	3.2	5.2	3.0	.84	.75	.28
2	.51	1.5	1.4	1.4	.84	1.8	2.8	5.4	2.6	.84	.66	.28
3	.51	1.2	1.4	1.2	1.2	1.5	2.2	5.8	2.2	.75	.58	.28
4	.58	1.2	1.2	1.2	.75	1.5	2.4	6.0	2.1	.66	.75	.24
5	.58	1.2	1.2	1.1	.75	1.6	2.8	5.8	2.0	.58	1.0	.24
6	.75	1.6	1.2	1.1	.58	1.6	2.8	6.0	1.5	.58	.66	.24
7	1.0	1.6	1.4	1.1	.75	1.6	2.8	6.4	1.2	.58	.66	.24
8	1.1	1.0	1.5	.94	.84	1.4	3.0	7.0	1.1	.75	.58	.24
9	1.0	1.2	1.5	.94	1.1	1.5	3.2	7.6	1.1	2.4	.45	.24
10	1.0	1.5	1.4	.84	1.1	1.4	2.8	7.4	1.2	1.1	.45	.24
11	1.2	1.4	1.5	.75	1.1	1.4	2.8	7.0	1.4	1.1	.40	.24
12	1.2	1.2	1.5	.75	1.1	1.6	3.0	6.6	1.2	1.1	.32	.24
13	1.2	1.2	1.6	.75	1.0	1.6	3.0	6.0	1.2	.94	.28	.24
14	1.1	1.2	1.6	2.0	1.1	2.0	3.0	5.8	1.0	.94	.28	.24
15	1.1	1.2	1.6	4.8	1.1	2.1	3.3	5.6	1.1	.94	.28	.28
16	1.1	1.4	1.5	3.9	1.1	2.1	3.9	5.2	1.2	.94	.24	.28
17	1.0	1.6	2.1	3.9	1.0	2.2	4.1	4.6	1.4	.84	.24	.28
18	1.0	1.4	1.8	3.7	1.1	2.1	4.6	4.6	1.4	.75	.24	.28
19	1.0	1.2	1.6	3.9	.94	2.0	4.2	4.2	1.4	.75	.21	.28
20	1.1	1.2	1.6	2.6	1.0	2.1	3.9	4.1	1.4	.75	.21	.28
21	1.1	1.1	1.6	2.0	1.0	2.1	4.1	4.1	1.5	.84	.24	.28
22	1.2	1.1	1.6	1.8	.94	2.2	4.6	4.1	1.5	.75	.21	.28
23	2.1	1.1	1.6	1.5	.94	2.2	4.8	4.1	1.4	.75	.21	.24
24	1.4	1.1	1.6	1.4	.94	2.4	4.4	4.1	1.4	.75	.28	.24
25	1.4	1.1	1.6	1.4	1.1	2.4	4.1	4.1	1.2	.84	.28	.24
26	1.4	1.1	1.6	1.1	1.0	2.2	3.5	3.9	1.2	.84	.28	.28
27	1.2	1.1	2.0	1.2	1.1	2.2	3.3	3.7	1.0	.84	.24	.28
28	1.2	1.2	2.1	1.1	1.0	2.4	3.3	3.5	1.0	.84	.24	.32
29	1.2	1.2	4.9	1.0	-------	2.8	3.5	3.0	.94	.84	.24	.36
30	1.1	1.2	2.6	.94	-------	3.2	4.4	3.0	.94	.75	.24	.36
31	1.4	-------	1.6	.84	-------	2.8	-------	3.2	-------	.75	.28	-------
TOTAL	33.24	37.9	52.34	52.55	27.31	62.2	103.8	157.1	42.78	26.92	11.98	8.04
MEAN	1.07	1.26	1.69	1.70	.98	2.01	3.46	5.07	1.43	.87	.39	.27
MAX	2.1	1.6	4.9	4.8	1.2	3.2	4.8	7.6	3.0	2.4	1.0	.36
MIN	.51	1.0	.94	.75	.58	1.4	2.2	3.0	.94	.58	.21	.24
AC-FT	66	75	104	104	54	123	206	312	85	53	24	16

CAL YR 1973 TOTAL 563.59 MEAN 1.54 MAX 5.7 MIN .12 AC-FT 1,120
WTR YR 1974 TOTAL 616.16 MEAN 1.69 MAX 7.6 MIN .21 AC-FT 1,220

PEAK DISCHARGE (BASE, 5.0 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-29	1200	1.55	7.6	4-22	2100	1.45	5.6
1-15	1400	1.48	6.2	5-08	1900	1.67	10

10336780 TROUT CREEK NEAR TAHOE VALLEY, CALIF.

LOCATION.--Lat 38°55'12", long 119°58'17", in NW¼SE¼ sec.3, T.12 N., R.18 E., El Dorado County, on left bank 5 ft (1.52 m) upstream from Martin Avenue Bridge, 500 ft (152 m) upstream from Heavenly Valley Creek, and 1.8 mi (2.9 km) east of Tahoe Valley.

DRAINAGE AREA.--36.7 mi² (95.05 km²).

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,250 ft (1,905 m) from topographic map.

AVERAGE DISCHARGE.--14 years, 38.0 ft³/s (1.08 m³/s), 27,530 acre-ft/yr (33.9 hm³/s).

EXTREMES.--Current year: Maximum discharge, 163 ft³/s (4.62 m³/s) June 7 (gage height, 8.28 ft or 2.524 m); minimum daily, 14 ft³/s (0.396 m³/s) Oct. 18, 19, Nov. 3, 4.

Period of record: Maximum discharge, 535 ft³/s (15.2 m³/s) Feb. 1, 1963 (gage height, 11.14 ft or 3.395 m), from rating curve extended above 110 ft³/s (3.12 m³/s) on basis of computation of peak flow (weir formula) and logarithmic projection; no flow for part of Sept. 11, 1966.

REMARKS.--Records good except those for winter period, which are fair. Minor diversion for local water supply.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	18	18	24	29	39	60	74	138	68	34	22
2	15	17	22	29	28	33	64	79	139	65	32	21
3	15	14	25	29	27	34	51	85	141	62	33	21
4	16	14	25	27	26	39	48	86	145	59	33	20
5	15	19	24	26	26	35	52	90	148	57	35	20
6	15	29	24	25	27	32	51	97	153	55	31	20
7	19	33	24	25	26	30	48	106	155	53	31	20
8	20	26	23	24	26	29	50	115	148	55	30	19
9	18	22	23	22	25	29	52	120	145	92	29	19
10	18	29	22	21	25	28	47	121	147	82	28	19
11	18	62	23	20	25	28	47	121	147	63	28	20
12	18	69	23	23	24	29	50	123	149	57	27	20
13	17	34	22	23	24	29	51	117	147	52	27	19
14	16	29	22	26	24	33	52	114	143	51	27	18
15	16	28	22	60	24	36	57	113	138	48	26	18
16	15	27	22	58	24	37	60	107	133	46	29	18
17	15	28	25	71	24	37	65	103	126	45	26	17
18	14	28	25	70	24	36	69	98	119	44	24	17
19	14	23	24	74	24	35	62	91	114	43	24	16
20	16	23	24	52	26	36	61	88	106	42	25	16
21	16	22	23	41	25	38	64	87	100	41	25	16
22	17	23	23	42	24	42	71	87	97	40	24	16
23	24	22	22	40	24	41	69	91	92	38	23	16
24	22	21	22	36	24	41	63	96	88	37	22	16
25	22	21	21	33	25	41	58	105	84	37	22	16
26	20	21	21	31	25	40	55	116	81	37	23	16
27	20	21	24	31	25	43	54	130	77	36	23	16
28	20	22	26	30	24	45	55	134	74	36	22	16
29	19	22	53	30	------	55	56	134	71	35	22	16
30	17	22	43	29	------	57	64	133	69	33	22	16
31	18	------	33	29	------	48	------	137	------	33	22	------
TOTAL	540	789	773	1,101	704	1,155	1,706	3,298	3,614	1,542	829	540
MEAN	17.4	26.3	24.9	35.5	25.1	37.3	56.9	106	120	49.7	26.7	18.0
MAX	24	69	53	74	29	57	71	137	155	92	35	22
MIN	14	14	18	20	24	28	47	74	69	33	22	16
AC-FT	1,070	1,560	1,530	2,180	1,400	2,290	3,380	6,540	7,170	3,060	1,640	1,070

CAL YR 1973 TOTAL 13,641 MEAN 37.4 MAX 155 MIN 14 AC-FT 27,060
WTR YR 1974 TOTAL 16,591 MEAN 45.5 MAX 155 MIN 14 AC-FT 32,910

PEAK DISCHARGE (BASE, 100 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
5-9	2230	7.96	139	7-9	2045	7.97	135
6-7	0215	8.28	163				

10336790 TROUT CREEK AT SOUTH LAKE TAHOE, CALIF.

LOCATION.--Lat 38°55'56", long 119°58'40", in SE¼NW¼ sec.3, T.12 N., R.18 E., El Dorado County, on right bank on upstream side of U.S. Highway 50 bridge, 1.2 mi (1.9 km) upstream from Lake Tahoe, and 1.9 mi (3.1 km) northeast of South Lake Tahoe Post Office.

DRAINAGE AREA.--40.4 mi² (105 km²).

PERIOD OF RECORD.--October 1971 to September 1974 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 6,240 ft (1,902 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 164 ft³/s (4.64 m³/s) June 7 (gage height, 3.69 ft or 1.125 m); minimum daily, 14 ft³/s (0.40 m³/s) Oct. 1, 3, Nov. 3, 4, Sept. 21-26, 28.

Period of record: Maximum discharge, 190 ft³/s (5.38 m³/s) May 31, 1973 (gage height, 4.08 ft or 1.244 m); minimum daily, 11 ft³/s (0.31 m³/s) Dec. 6-10, 1972.

REMARKS.--Records good except those for the winter period, which are fair. Minor diversion for local water supply.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	17	20	26	32	45	65	80	142	67	36	20
2	15	16	22	30	31	36	69	86	142	65	34	20
3	14	14	26	32	32	36	54	92	144	62	35	20
4	16	14	26	30	30	40	50	92	148	59	35	19
5	16	21	25	28	32	38	53	95	150	58	37	18
6	17	29	25	27	30	34	52	102	155	55	33	18
7	20	31	25	27	29	32	48	114	156	55	33	18
8	20	26	25	26	29	32	50	125	149	55	32	18
9	18	22	24	24	30	32	52	129	145	98	31	18
10	18	29	24	23	30	31	48	131	147	89	30	17
11	18	67	24	22	30	31	48	130	149	65	30	17
12	18	81	25	24	30	32	50	131	151	61	29	17
13	17	38	24	25	27	32	52	124	148	55	28	17
14	16	32	23	30	27	36	52	122	141	52	28	17
15	16	29	23	64	27	38	57	120	138	50	27	16
16	16	29	24	62	27	38	62	115	135	48	26	16
17	16	32	25	80	24	38	68	109	128	46	26	16
18	15	33	28	80	27	37	71	104	121	46	26	16
19	15	26	27	84	27	37	63	97	114	44	25	15
20	16	24	28	62	28	38	63	94	107	44	25	15
21	16	23	25	53	26	40	65	94	101	42	24	14
22	17	23	24	46	26	43	73	94	98	42	24	14
23	26	23	23	46	26	42	74	97	94	40	24	14
24	20	23	23	42	26	42	69	101	89	40	23	14
25	22	22	22	38	26	42	64	112	85	40	23	14
26	22	22	22	36	28	42	59	122	82	40	23	14
27	21	20	26	35	28	44	58	138	77	39	22	15
28	22	23	27	34	27	46	59	141	74	38	22	14
29	21	21	64	34	------	55	61	140	70	37	21	15
30	18	22	51	33	------	59	69	137	68	36	21	15
31	18	------	36	33	------	50	------	140	------	35	20	------
TOTAL	554	832	836	1,236	792	1,218	1,778	3,508	3,648	1,603	853	491
MEAN	17.9	27.7	27.0	39.9	28.3	39.3	59.3	113	122	51.7	27.5	16.4
MAX	26	81	64	84	32	59	74	141	156	98	37	20
MIN	14	14	20	22	24	31	48	80	68	35	20	14
AC-FT	1,100	1,650	1,660	2,450	1,570	2,420	3,530	6,960	7,240	3,180	1,690	974

CAL YR 1973 TOTAL 14,449 MEAN 39.6 MAX 167 MIN 14 AC-FT 28,660
WTR YR 1974 TOTAL 17,349 MEAN 47.5 MAX 156 MIN 14 AC-FT 34,410

PEAK DISCHARGE (BASE, 100 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-12	0600	2.98	119	6-7	0600	3.69	164
1-18	2200	2.95	117	7-9	2200	3.46	148
5-10	0030	3.45	151				

10337000 Lake Tahoe at Tahoe City, Calif.

LOCATION.--Lat 39°10'50", long 120°06'55", in NE¼SE¼NE¼ sec.5, T.15 N., R.17 E., Placer County, on U.S. Coast Guard pier at Lake Forest and 1.8 mi (2.9 km) northeast of Lake Tahoe outlet dam on Truckee River at Tahoe City.

DRAINAGE AREA.--505 mi^2 (1,308 km^2) at lake outlet.

PERIOD OF RECORD.--April 1900 to current year. Month-end elevations only for October 1943 to September 1957, published in WSP 1734. Prior to October 1961, published as "at Tahoe."

GAGE.--Water-stage recorder. Datum of gage is 6,220.00 ft (1,895.856 m) above mean sea level, datum of Bureau of Reclamation, 6,218.86 ft (1,895.508 m), datum of 1929, supplementary adjustment of 1959. Prior to Oct. 1, 1957, nonrecording gages at several sites near outlet of lake at same datum. Oct. 1, 1957, to May 8, 1958, water-stage recorder on left wingwall of dam at outlet of lake at same datum. May 9, 1958, to Sept. 30, 1968, water-stage recorder on pier, 1,000 ft (300 m) east of dam at lake outlet.

EXTREMES.--Current year: Maximum elevation, 6,228.92 ft (1,898.575 m) July 9; minimum, 6,226.63 ft (1,897.877 m) Nov. 4.
Period of record: Maximum elevation, 6,231.26 ft (1,899.288 m) July 14, 15, 17, 18, 1907; minimum, 6,221.74 ft (1,896.386 m) Dec. 26, 1934.

REMARKS.--Lake levels regulated by a 17-gate concrete dam at outlet of lake; storage began about 1874. Figures given herein represent usable contents. Usable capacity, 744,600 acre-ft (918 hm^3) between elevations 6,223 ft (1,896.8 m), natural rim of lake, and 6,229.1 ft (1,898.63 m), maximum permissible elevation by Federal Court decree. Water is used for domestic and recreational purposes in Lake Tahoe area and for irrigation and power in downstream areas. Lake elevations are referred to Bureau of Reclamation datum because that datum is used as the official reference point by all local, State, and Federal agencies. There are three main diversions out of the Tahoe Basin: (1) from Echo Lake to South Fork American River for power and irrigation; (2) from Marlette Lake during dry periods to Hobart Reservoir for domestic and commercial water supply; and (3) from Third Creek to Ophir Creek for irrigation. Since October 1968, some sewage has been transported out of the basin into Carson River basin.

REVISIONS.--WRD 1967: Drainage area.

Capacity table (elevation, in feet, and contents, in acre-feet)

6,226	364,800	6,228	609,300
6,227	486,800	6,229	732,300

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.05	6.68	7.35	7.64	8.06	8.12	8.28	8.10	8.57	8.84	8.64	8.18
2	7.04	6.67	7.34	7.60	8.06	8.21	8.26	8.12	8.58	8.85	8.63	8.16
3	6.98	6.64	7.32	7.63	8.05	8.20	8.26	8.12	8.60	8.84	8.62	8.15
4	6.98	6.63	7.34	7.64	8.05	8.20	8.25	8.14	8.61	8.84	8.60	8.13
5	6.95	6.77	7.34	7.66	8.02	8.18	8.27	8.14	8.64	8.81	8.60	8.11
6	6.92	6.68	7.33	7.69	8.01	8.17	8.23	8.15	8.67	8.80	8.59	8.10
7	6.92	6.67	7.34	7.68	8.00	8.15	8.23	8.18	8.70	8.76	8.58	8.08
8	6.89	6.66	7.33	7.69	8.00	8.15	8.23	8.20	8.69	8.82	8.57	8.06
9	6.88	6.70	7.33	7.68	8.00	8.14	8.22	8.19	8.70	8.91	8.57	8.05
10	6.85	6.77	7.31	7.67	8.00	8.11	8.19	8.22	8.73	8.90	8.56	8.03
11	6.84	6.90	7.33	7.67	7.98	8.13	8.19	8.23	8.75	8.90	8.54	8.00
12	6.83	7.02	7.30	7.66	7.99	8.10	8.18	8.23	8.76	8.87	8.50	7.98
13	6.83	7.13	7.37	7.68	7.98	8.10	8.16	8.25	8.77	8.88	8.47	7.95
14	6.82	7.14	7.36	7.73	7.98	8.10	8.17	8.26	8.78	8.86	8.44	7.92
15	6.82	7.10	7.37	7.75	7.97	8.09	8.15	8.25	8.79	8.83	8.46	7.89
16	6.81	7.15	7.35	7.83	7.97	8.08	8.15	8.31	8.80	8.81	8.41	7.88
17	6.80	7.20	7.38	7.90	7.97	8.08	8.16	8.28	8.80	8.81	8.41	7.86
18	6.79	7.20	7.39	7.99	7.97	8.07	8.13	8.29	8.81	8.79	8.37	7.85
19	6.78	7.20	7.40	8.04	8.01	8.07	8.13	8.29	8.81	8.78	8.35	7.85
20	6.78	7.20	7.37	8.08	8.00	8.07	8.13	8.29	8.83	8.76	8.33	7.84
21	6.73	7.20	7.42	8.08	8.00	8.06	8.13	8.30	8.83	8.76	8.31	7.84
22	6.80	7.20	7.45	8.09	7.98	8.05	8.16	8.32	8.85	8.75	8.31	7.83
23	6.84	7.19	7.43	8.08	7.97	8.05	8.13	8.33	8.85	8.75	8.28	7.82
24	6.80	7.19	7.45	8.09	7.97	8.04	8.16	8.36	8.83	8.73	8.27	7.82
25	6.81	7.18	7.44	8.08	7.94	8.03	8.14	8.38	8.83	8.72	8.26	7.81
26	6.78	7.18	7.48	8.06	7.97	8.02	8.14	8.41	8.83	8.70	8.25	7.80
27	6.78	7.18	7.51	8.07	8.01	8.07	8.13	8.44	8.83	8.69	8.24	7.78
28	6.76	7.15	7.50	8.07	8.03	8.08	8.14	8.50	8.85	8.67	8.22	7.76
29	6.75	7.12	7.62	8.07	------	8.16	8.13	8.50	8.86	8.67	8.22	7.74
30	6.73	7.17	7.64	8.06	------	8.18	8.11	8.53	8.85	8.65	8.20	7.74
31	6.71	------	7.64	8.06	------	8.20	------	8.54	------	8.65	8.19	------
MEAN	6.84	7.00	7.40	7.86	8.00	8.11	8.18	8.29	8.76	8.79	8.42	7.93
MAX	7.05	7.20	7.64	8.09	8.06	8.21	8.28	8.54	8.86	8.91	8.64	8.18
MIN	6.71	6.63	7.30	7.60	7.94	8.02	8.11	8.10	8.57	8.65	8.19	7.74
(†)	451,400	507,600	565,200	616,700	613,000	633,900	622,800	675.700	713,800	689,200	632,700	577,500
(‡)	-43,900	+56,200	+57,600	+51,500	-3,700	+20,900	-11,100	+52,900	+38,100	-24,600	-56,500	-55.200

† CONTENTS, IN ACRE-FEET, AT END OF MONTH.
‡ CHANGE IN CONTENTS, IN ACRE-FEET.

NOTE.--Add 6,220 ft to obtain elevation above mean sea level, Bureau of Reclamation datum, at 2400 hours.

10337500 Truckee River at Tahoe City, Calif.

LOCATION.--Lat 39°10'00", long 120°08'40", in $NE\frac{1}{4}NW\frac{1}{4}$ sec.7, T.15 N., R.17 E., Placer County, on left bank 510 ft (155 m) downstream from dam at outlet of Lake Tahoe at Tahoe City.

DRAINAGE AREA.--506 mi^2 (1,311 km^2).

PERIOD OF RECORD.--July 1895 to February 1896, March 1900 to current year. Monthly discharge only for some periods, published in WSP 1314 and 1734. Prior to October 1961, published as "at Tahoe".

GAGE.--Water-stage recorder. Datum of gage is 6,216.75 ft (1,894.865 m) above mean sea level, datum of 1929. Prior to Nov. 12, 1912, nonrecording gage at site 370 fr (113 m) upstream at different datum. Nov. 12, 1912, to Sept. 30, 1937, nonrecording gage, Oct. 1, 1937, to Aug. 21, 1957, water-stage recorder at datum 2.26 ft (0.689 m) higher, and Aug. 22, 1957, to July 10, 1960, at datum 2.42 ft (0.738 m) higher; all at site 270 ft (82 m) upstream.

AVERAGE DISCHARGE.--74 years (1900-74), 389 ft^3/s (33.7 m^3/s), 179,700 acre-ft/yr (222 hm^3/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 1,190 ft^3/s (33.7 m^3/s) July 11-14, gage height, 6.65 ft (2.027 m); minimum daily, 9 ft^3/s (1.39 m^3/s) Nov. 10.
Period of record: Maximum discharge, 2,630 ft^3/s (74.5 m^3/s) June 19, 1969, gage height, 9.32 ft (2.841 m); no flow for parts of many years.

REMARKS.--Records excellent. Flow regulated by Lake Tahoe, operating capacity, 744,600 acre-ft (918 hm^3).

REVISIONS.--WSP 2127: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	343	270	63	64	290	595	734	954	323	176	338	320
2	345	270	63	64	290	595	734	946	323	119	336	320
3	314	270	63	62	288	595	728	938	228	117	336	345
4	294	270	63	64	288	595	724	938	162	117	336	369
5	296	272	64	63	286	595	728	938	255	99	274	369
6	301	274	65	64	284	598	846	938	323	82	232	369
7	301	256	65	64	284	598	946	942	323	82	232	369
8	301	236	65	63	284	654	950	942	316	83	230	367
9	301	148	65	63	284	724	950	946	316	308	230	367
10	298	49	65	63	282	724	950	954	318	870	230	367
11	298	56	66	63	282	720	946	950	318	1,190	230	367
12	298	58	65	64	282	720	946	750	415	1,190	264	364
13	298	49	65	64	282	720	950	600	567	1,190	323	362
14	298	53	64	65	282	720	954	600	625	1,190	345	362
15	298	65	64	72	282	720	958	600	625	1,050	336	362
16	296	64	64	74	282	717	962	450	628	954	320	343
17	296	66	65	78	282	717	958	300	442	950	318	343
18	296	66	64	81	282	717	954	300	312	950	318	275
19	296	65	63	80	284	717	954	300	312	885	360	204
20	270	64	63	72	345	717	950	300	312	836	386	144
21	264	64	63	68	448	717	954	300	312	832	386	101
22	266	64	63	125	545	717	950	292	309	836	386	80
23	270	64	64	294	583	717	950	292	309	782	384	80
24	268	63	64	294	583	717	954	292	309	690	384	80
25	272	63	64	292	580	717	954	292	309	604	384	78
26	284	63	64	292	583	717	950	292	318	513	384	78
27	284	63	65	292	583	714	950	292	331	470	384	78
28	284	62	64	290	586	720	954	166	267	470	340	77
29	276	62	74	290	------	728	954	205	250	388	320	76
30	272	62	68	290	------	728	954	323	250	338	320	154
31	270	------	65	290	------	724	------	323	------	338	320	------
TOTAL	9,048	3,551	2,002	4,164	10,236	21,374	27,346	17,655	10,407	18,699	9,966	7,570
MEAN	292	118	64.6	134	366	689	912	570	347	603	321	252
MAX	345	274	74	294	586	728	962	954	628	1,190	386	369
MIN	264	49	63	62	282	595	724	166	162	82	230	76
AC-FT	17,950	7,040	3,970	8,260	20,300	42,400	54,240	35,020	20,640	37,090	19,770	15,020

CAL YR 1973 TOTAL 68,265 MEAN 187 MAX 422 MIN 49 AC-FT 135,400
WTR YR 1974 TOTAL 142,018 MEAN 389 MAX 1,190 MIN 49 AC-FT 281,700

10338500 Donner Creek at Donner Lake, near Truckee, Calif.

LOCATION.--Lat 39°19'25", long 120°14'00", in SW¼NW¼ sec.17, T.17 N., R.16 E., Nevada County, on left bank 10 ft (3.05 m) downstream from bridge on Donner Memorial State Park road, 0.2 mi (0.3 km) downstream from outlet of Donner Lake, 0.7 mi (1.1 km) upstream from Cold Creek, and 2.5 mi (4.0 km) west of Truckee.

DRAINAGE AREA.--14.6 mi^2 (37.8 km^2).

PERIOD OF RECORD.--November 1909 to August 1910, January 1929 to October 1935, January 1936 to March 1938, July to October 1938, January 1939 to February 1943, June 1943 to December 1953, May 1955 to December 1957, October 1958 to current year. Monthly discharge only prior to October 1958, published in WSP 1314 and 1734.

GAGE.--Water-stage recorder. Altitude of gage is 5,903 ft (1,807 m) from topographic map. Nov. 1, 1909, to Aug. 31, 1910, nonrecording gage at different datum. January 1929 to December 1957, water-stage recorder at same site at unknown datum.

AVERAGE DISCHARGE.--37 years (1929-35, 1936-37, 1939-42, 1943-52, 1955-57, 1958-74), 34.2 ft^3/s (0.969 m^3/s), 24,780 acre-ft/yr (30.6 hm^3/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 522 ft^3/s (14.8 m^3/s) July 9, gage height, 4.33 ft (1.320 m); minimum daily, 1.5 ft^3/s (0.042 m^3/s) Aug. 18.

Period of record: Maximum daily discharge, 700 ft^3/s (19.8 m^3/s) (estimated) Nov. 21, 1950; maximum gage height observed, 4.55 ft (1.387 m) Dec. 25, 1964; no flow at times in most years.

REMARKS.--Records good. Flow regulated by dam at outlet of Donner Lake, usable capacity, 9,500 acre-ft (11.7 hm^3).

REVISIONS.--WSP 2127: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	17	53	67	77	45	108	21	181	33	3.2	4.6
2	111	16	51	63	72	61	108	22	143	41	3.2	4.6
3	150	14	48	60	67	62	100	22	106	35	3.2	8.1
4	141	13	46	57	64	60	95	23	89	27	3.2	10
5	154	14	43	56	59	57	91	24	82	24	3.0	9.8
6	150	17	41	56	56	55	86	25	130	15	2.5	9.1
7	131	23	39	55	53	56	81	89	148	14	2.5	8.7
8	115	28	37	52	50	54	79	199	121	9.8	2.5	8.5
9	110	28	36	49	48	52	80	248	102	135	2.5	8.0
10	105	36	34	47	46	50	77	255	56	248	2.5	8.0
11	89	98	35	45	45	49	73	255	35	13	2.3	8.0
12	76	198	36	44	44	50	72	254	64	5.3	2.1	8.0
13	66	198	37	44	43	49	71	225	73	4.7	2.0	8.0
14	57	181	36	41	42	48	71	187	60	8.9	1.9	8.0
15	50	155	35	78	40	48	71	185	73	9.8	2.0	8.0
16	45	139	34	113	40	50	43	187	77	6.0	1.7	7.9
17	40	131	35	164	39	51	18	175	49	4.8	1.6	7.7
18	37	126	35	188	38	52	19	164	32	4.7	1.5	44
19	33	113	35	241	40	54	19	160	26	4.6	2.6	115
20	31	103	34	237	39	54	19	123	22	4.4	3.5	187
21	29	92	35	216	39	56	19	69	37	4.4	3.3	205
22	26	83	36	191	39	57	20	44	49	4.4	3.1	191
23	29	75	35	171	37	58	20	38	43	4.4	3.0	192
24	28	69	34	151	36	60	20	38	35	3.9	2.9	186
25	26	63	33	134	35	63	20	45	24	3.9	2.7	193
26	24	59	33	120	35	65	20	81	15	4.0	4.3	186
27	23	54	35	109	35	69	20	88	10	4.1	5.3	162
28	22	51	36	100	35	75	20	171	6.9	3.7	4.8	138
29	20	48	52	93	------	84	20	212	4.8	3.5	4.6	119
30	19	47	66	86	------	103	21	215	15	3.5	4.4	130
31	18	------	68	80	------	106	------	205	------	3.5	4.4	------
TOTAL	2,015	2,289	1,243	3,208	1,293	1,853	1,581	4,049	1,908.7	691.3	92.3	2,193.0
MEAN	65.0	76.3	40.1	103	46.2	59.8	52.7	131	63.6	22.3	2.98	72.8
MAX	154	198	68	241	77	106	108	255	181	248	5.3	205
MIN	18	13	33	41	35	45	18	21	4.8	3.5	1.5	4.6
AC-FT	4,000	4,540	2,470	6,360	2,560	3,680	3,140	8,030	3,790	1,370	183	4,330

CAL YR 1973 TOTAL 14,889.98 MEAN 40.8 MAX 204 MIN .30 AC-FT 29,530
WTR YR 1974 TOTAL 22,406.30 MEAN 61.4 MAX 255 MIN 1.5 AC-FT 44,440

10339380 Martis Creek Lake near Truckee, Calif.

LOCATION.--Lat 39°19'38", long 120°06'48", in NE¼NW¼ sec.17, T.17 N., R.17 E., Nevada County, in control house at Martis Creek Dam, 2.0 mi (3.2 km) upstream from mouth, and 3.5 mi (5.6 km) east of Truckee.

DRAINAGE AREA.--40.0 mi² (103.6 km²).

PERIOD OF RECORD.--March 1972 to current year (occasional readings only prior to June 15, 1972).

GAGE.--Water-stage recorder and a precipitation recorder. Datum of gage is at mean sea level (Corps of Engineers datum).

EXTREMES.--Current year: Maximum contents, 4,450 acre-ft (5.49 hm³) Apr. 2, elevation, 5,805.14 ft (1,769.407 m); minimum, 829 acre-ft (1.02 hm³) on Oct. 6, Sept. 6 and 13, elevation, 5,780.17 ft (1,761.796 m).

Period of record: Maximum contents, 4,450 acre-ft (5.49 hm³) Apr. 2, 1974, elevation, 5,805.14 ft (1,769.407 m); minimum (after storage began), 823 acre-ft (1.01 hm³) July 19, Aug. 1, 1972, elevation, 5,780.09 ft (1,761.771 m).

REMARKS.--Lake is formed by rolled-earthfill dam. Storage began Oct. 7, 1971. Total capacity, 20,400 acre-ft (25.2 hm³) between elevations 5,745 ft (1,751.1 m), streambed elevation at dam, and 5,838 ft (1,779.4 m), elevation of spillway crest. Figures given herein represent total contents, which include 817 acre-ft (1.01 hm³) of inactive storage below elevation 5,780 ft (1,761.7 m), intake crest. Reservoir is used for flood control, enchancement of fishery, and recreation.

CONTENTS, IN ACRE-FEET, AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	829	831	—	—	856	1.160	4.360	898	858	836	834	832
2	830	834	—	849	854	1.260	4.100	903	858	836	834	832
3	830	—	854	—	853	1.340	3.510	904	857	836	834	832
4	830	—	—	851	849	1.400	2.880	905	856	836	835	831
5	830	835	849	—	844	1.460	2.310	906	855	835	837	830
6	829	—	848	—	845	1.510	1.900	901	853	835	835	830
7	832	849	847	846	848	1.570	1.510	903	851	835	833	829
8	832	—	848	—	848	1.610	1.130	902	851	844	833	830
9	832	842	847	842	850	1.660	960	899	848	865	832	830
10	832	—	842	—	850	1.700	909	895	847	849	832	830
11	832	—	—	840	849	1.760	894	893	845	843	832	830
12	832	921	843	—	848	1.850	893	889	846	840	832	831
13	832	—	—	—	848	1.930	—	886	847	839	833	829
14	832	856	843	853	849	2.020	—	884	846	837	834	830
15	831	852	—	—	848	2.120	891	879	845	837	833	830
16	831	849	—	916	848	2.200	—	876	846	836	833	830
17	831	—	851	—	848	2.290	891	874	846	836	832	831
18	831	—	—	1.020	848	2.380	—	873	845	836	830	831
19	831	856	848	967	848	2.460	899	869	847	835	831	831
20	831	—	—	928	846	2.540	898	866	850	836	831	831
21	830	849	849	906	842	2.620	901	865	850	836	831	832
22	838	—	—	888	846	2.710	906	862	848	836	831	831
23	841	842	—	886	847	2.800	905	862	848	835	830	831
24	836	—	847	884	848	2.900	902	863	845	835	830	831
25	834	—	—	875	849	2.990	894	864	842	835	831	831
26	832	841	845	861	846	3.080	888	865	840	835	832	832
27	832	—	—	864	846	3.190	886	867	839	835	832	832
28	832	842	861	865	861	3.320	884	864	838	835	832	833
29	832	—	—	862	------	3.540	887	862	837	835	832	833
30	832	842	—	861	------	3.920	892	861	837	833	832	832
31	g832	------	874	860	------	4.100	------	859	------	834	832	------
MAX	841	—	—	—	861	4.100	—	906	858	865	837	833
MIN	829	—	—	—	842	1.160	—	859	837	833	830	829
(†)	g5,780.21	5,780.35	5,780.79	5,780.60	5,780.61	5,803.83	5,781.03	5,780.59	5,780.29	5,780.24	5,780.21	5,780.22
(‡)	+1	+10	+32	-14	+1	+3,239	-3,208	-33	-22	-3	-2	.0

CAL YR 1973 MAX 3,140 MIN 827 ‡ +37
WTR YR 1974 MAX 4,100 MIN 829 ‡ +1

† Elevation, in feet, at end of month.
‡ Change in contents, in acre-feet.
§ Interpolated.

10339400 Martis Creek near Truckee, Calif.

LOCATION.--Lat 39°19'10", long 120°07'00", in NE¼NW¼ sec.17, T.17 N., R.17 E., Nevada County, on left bank 0.2 mi (0.3 km) downstream from Martis Creek Lake Dam, 1.8 mi (2.9 km) upstream from mouth, and 3.5 mi (5.6 km) east of Truckee.

DRAINAGE AREA.--40.0 mi^2 (103.6 km^2).

PERIOD OF RECORD.--October 1958 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,730 ft (1,747 m), from topographic map. Prior to July 10, 1972, at site 1.0 mi (1.6 km) downstream at different datum.

AVERAGE DISCHARGE.--16 years, 24.4 ft^3/s (0.691 m^3/s), 17,680 acre-ft/yr (21.8 hm^3), unadjusted.

EXTREMES.--Current year: Maximum discharge, 648 ft^3/s (18.4 m^3/s) Apr. 2, gage height, 6.01 ft (1.832 m); minimum, 0.92 ft^3/s (0.026 m^3/s) Aug. 29, regulation at Martis Creek Lake Dam.

Period of record: Maximum discharge, 1,880 ft^3/s (53.2 m^3/s) Feb. 1, 1963, gage height, 6.16 ft (1.878 m); minimum, 0.46 ft^3/s (0.013 m^3/s) Oct. 21, 22, 1971, result of regulation at Martis Creek Lake Dam.

REMARKS.--Records excellent. Flow subject to regulation by Martis Creek Lake Dam since Oct. 7, 1971.

REVISIONS.--WSP 2127: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	9.0	27	35	30	10	9.0	73	29	11	10	8.8
2	8.1	9.0	26	24	26	9.5	228	83	29	10	10	8.5
3	8.1	8.7	24	26	25	9.5	367	88	29	10	10	8.8
4	8.1	8.1	20	25	26	9.5	379	85	27	10	10	8.5
5	8.1	10	20	24	25	9.3	362	86	26	10	12	8.5
6	8.4	15	18	23	20	9.3	271	85	25	9.7	11	8.5
7	8.1	18	18	23	20	9.3	255	82	23	9.7	10	8.5
8	9.0	16	18	22	21	9.3	236	82	22	12	10	8.5
9	9.0	13	16	20	20	9.3	145	79	22	24	9.7	8.5
10	8.7	16	16	18	20	9.0	86	74	20	26	9.4	8.5
11	8.7	34	16	18	20	8.4	70	70	19	17	9.4	8.8
12	8.7	82	16	18	20	8.4	66	65	19	14	8.8	8.8
13	8.7	33	17	22	19	8.4	65	61	20	12	8.8	8.8
14	8.7	22	16	27	20	8.7	68	56	19	12	8.8	8.2
15	8.7	22	17	171	20	8.1	70	53	18	11	9.1	8.5
16	8.4	20	17	140	20	7.6	77	49	18	10	8.8	8.8
17	8.4	40	25	225	18	7.6	80	45	18	10	8.5	8.5
18	8.4	40	31	184	20	7.8	84	43	18	10	8.5	8.8
19	8.7	23	22	222	22	7.8	80	41	18	9.7	8.5	8.8
20	9.0	19	20	137	17	7.6	72	37	20	9.7	8.5	8.2
21	9.0	18	21	91	17	7.3	73	35	20	9.7	8.5	8.5
22	9.6	16	23	65	16	7.0	80	33	20	9.7	8.5	8.8
23	16	14	20	60	17	7.0	86	33	20	9.7	8.5	8.8
24	12	14	19	51	17	7.6	85	33	18	9.7	8.5	8.5
25	11	13	18	47	18	7.8	74	33	16	9.7	8.2	8.5
26	11	13	18	40	19	8.4	68	35	14	9.7	8.5	8.5
27	10	13	24	35	18	7.6	62	36	13	9.7	8.5	8.8
28	9.6	14	32	36	12	7.6	61	35	12	9.7	8.5	8.8
29	9.3	16	119	33	------	7.6	61	33	12	9.7	8.5	9.1
30	9.0	18	88	32	------	8.1	66	32	12	9.7	8.8	9.4
31	9.0	------	46	30	------	8.4	------	31	------	9.7	8.8	------
TOTAL	285.6	606.8	828	1,924	563	258.8	3,786.0	1,706	596	354.5	283.6	259.5
MEAN	9.21	20.2	26.7	62.1	20.1	8.35	126	55.0	19.9	11.4	9.15	8.65
MAX	16	82	119	225	30	10	379	88	29	26	12	9.4
MIN	8.1	8.1	16	18	12	7.0	9.0	31	12	9.7	8.2	8.2
AC-FT	566	1,200	1,640	3,820	1,120	513	7,510	3,380	1,180	703	563	515

CAL YR 1973 TOTAL 9,956.2 MEAN 27.3 MAX 279 MIN 3.0 AC-FT 19,750
WTR YR 1974 TOTAL 11,451.8 MEAN 31.4 MAX 379 MIN 7.0 AC-FT 22,710

10340300 Prosser Creek Reservoir near Boca, Calif.

LOCATION.--Lat 39°22'45", long 120°08'25", in NW¼SW¼ sec.30, T.18 N., R.17 E., Nevada County, in control house at Prosser Creek Dam on Prosser Creek, 1.5 mi (2.4 km) upstream from mouth, and 3 mi (5 km) west of Boca.

DRAINAGE AREA.--50.5 mi^2 (130.8 km^2).

PERIOD OF RECORD.--January 1963 to current year.

GAGE.--Water-stage recorder with surface follower and telemark. Datum of gage is at mean sea level (levels by Bureau of Reclamation).

EXTREMES.--Current year: Maximum contents observed, 30,800 acre-ft (38.0 hm^3) July 10, elevation, 5,744.00 ft (1,750.771 m); minimum observed, 6,480 acre-ft (7.99 hm^3) Jan. 28, elevation 5,696.77 ft (1,736.375 m).

Period of record: Maximum contents observed, 31,070 acre-ft (38.3 hm^3) June 1, 1973, elevation, 5,744.33 ft (1,750.872 m); minimum observed, 1,350 acre-ft (1.66 hm^3) Apr. 9, 1969, elevation, 5,672.30 ft (1,728.917 m).

REMARKS.--Reservoir is formed by rolled-earth and rockfill dam. Storage began Jan. 30, 1963. Usable capacity, 28,640 acre-ft (35.3 hm^3) between elevations, 5,660.6 (1,725.35 m), top of inactive storage, and 5,741.2 ft (1,749.92 m), spillway crest. Inactive storage, 1,200 acre-ft (1.48 hm^3), includes 83 acre-ft (102,000 m^3) dead storage, below elevation 5,660.6 ft (1,725.35 m). Elevation of streambed at dam axis, 5,622 ft (1,713.6 m). Figures given herein represent usable contents. Reservoir is used for flood control, enhancement of fishery, and recreation.

COOPERATION.--Records furnished by Bureau of Reclamation.

MONTHEND ELEVATION AND CONTENTS AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

Date	Elevation (feet)	Contents (acre-ft)	Change in Contents (acre-ft)
Sept.30	5,709.07	10,580	---
Oct. 31	5,699.09	7,160	-3,420
Nov. 30	5,700.14	7,480	+320
Dec. 31	5,702.40	8,200	+720
CAL YR 1973	---	---	+630
Jan. 31	5,697.19	6,600	-1,600
Feb. 28	5,700.01	7,440	+840
Mar. 31	5,705.00	9,080	+1,640
Apr. 30	5,721.99	16,470	+7,390
May 31	5,735.50	24,570	+8,100
June 30	5,742.49	29,620	+5,050
July 31	5,741.90	29,170	-450
Aug. 31	5,740.82	28,360	-810
Sept.30	5,718.21	14,560	-13,800
WTR YR 1974	---	---	+3,980

10340500 Prosser Creek near Boca, Calif.

LOCATION.--Lat 39°22'10", long 120°07'10", in SW¼NW¼ sec.32, T.18 N., R.17 E., Nevada County, on left bank 0.2 mi (0.3 km) upstream from mouth, 1.0 mi (1.6 km) downstream from Prosser Creek Dam, and 2 mi (3 km) southwest of Boca.

DRAINAGE AREA.--53.6 mi^2 (138.8 km^2).

PERIOD OF RECORD.--October 1902 to June 1903 (gage heights only), October 1942 to December 1950, June 1951 to current year. Records for April 1889 to November 1890, published in the 11th and 12th Annual Reports, Pt. 2, have been found to be unreliable and should not be used. Monthly discharge only for October 1942 to December 1950, published in WSP 1734.

GAGE.--Water-stage recorder. Datum of gage is 5,572.62 ft (1,698.535 m) above mean sea level (levels by Bureau of Reclamation). April 1889 to November 1890 and October 1902 to June 1903, nonrecording gages at same site at different datums. October 1942 to December 1950, water-stage recorder at approximately same site at different datum. June 1951 to September 1956, water-stage recorder at present site at datum 2.00 ft (0.610 m) higher.

AVERAGE DISCHARGE.--31 years (1942-50, 1951-74), 88.3 ft^3/s (2.501 m^3/s), 63,970 acre-ft/yr (78.9 hm^3/yr). Adjusted for storage.

EXTREMES.--Current year: Maximum discharge, 870 ft^3/s (24.6 m^3/s) Nov. 12, gage height, 5.10 ft (1.554 m); minimum, 7.8 ft^3/s (0.22 m^3/s) May 29.

Period of record: Maximum discharge, 4,560 ft^3/s (129 m^3/s) Dec. 23, 1955, gage height, 10.13 ft (3.088 m) present datum, from rating curve extended above 910 ft^3/s (25.8 m^3/s) on basis of slope-area measurement of peak flow; maximum gage height, 11.0 ft (3.35 m), from floodmarks (present datum), Nov. 20, 1950, discharge, 4,320 ft^3/s (122 m^3/s), by slope-area measurement; minimum discharge, 0.4 ft^3/s (0.011 m^3/s) July 18, 1961, result of work on dam upstream.

REMARKS.--Records good. Flow regulated by Prosser Creek dam since Jan. 31, 1963.

REVISIONS.--WSP 2127: Drainage area. See also PERIOD OF RECORD.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	9.7	61	65	58	66	467	13	455	108	46	137
2	145	9.7	59	81	58	61	453	13	454	111	45	174
3	157	9.7	59	93	58	60	328	13	338	110	44	197
4	164	9.7	59	93	57	60	250	13	282	110	44	231
5	163	10	59	94	57	66	215	13	101	106	47	252
6	161	10	59	94	57	145	197	13	15	101	47	251
7	160	10	59	94	57	144	197	13	117	97	45	251
8	146	10	59	94	57	145	180	13	168	143	42	250
9	136	10	59	94	57	145	171	13	168	248	39	250
10	110	69	59	94	57	127	77	113	246	241	37	249
11	93	118	59	94	57	62	17	183	283	207	35	249
12	93	559	59	94	57	62	16	184	283	166	33	248
13	94	850	60	94	57	64	16	368	284	139	30	248
14	93	585	60	74	57	85	16	492	233	124	29	247
15	43	304	60	68	57	148	16	420	142	112	27	247
16	9.7	174	60	339	57	147	15	373	142	103	32	246
17	9.6	138	61	510	57	147	15	340	99	93	34	245
18	9.5	136	60	643	57	147	15	318	15	83	32	244
19	9.5	107	60	722	57	147	15	317	15	74	29	243
20	9.6	88	60	711	57	147	14	238	15	67	27	242
21	9.5	69	61	611	57	147	14	188	15	65	26	241
22	9.8	56	60	546	57	175	14	189	14	65	25	239
23	10	75	60	363	57	194	14	190	14	65	24	238
24	9.8	88	60	254	57	196	15	137	20	65	23	237
25	9.7	88	60	197	57	196	14	136	35	64	22	236
26	9.6	71	61	160	57	196	14	138	41	61	21	235
27	9.3	59	61	159	57	196	14	286	55	59	21	234
28	9.3	59	62	132	58	201	14	355	69	56	31	233
29	9.3	59	70	115	------	222	13	394	84	54	48	231
30	9.3	60	65	80	------	243	13	496	100	51	86	181
31	9.3	------	65	58	------	372	------	468	------	47	124	------
TOTAL	2,055.8	3,900.8	1,876	6,920	1,600	4,513	2,829	6,440	4,302	3,195	1,195	7,006
MEAN	66.3	130	60.5	223	57.1	146	94.3	208	143	103	38.5	234
MAX	164	850	70	722	58	372	467	496	455	248	124	252
MIN	9.3	9.7	59	58	57	60	13	13	14	47	21	137
AC-FT	4,080	7,740	3,720	13,730	3,170	8,950	5,610	12,770	8,530	6,340	2,370	13,900

Adjusted for change in storage in Prosser Creek Reservoir

Mean	10.7	135	72.2	197	72.2	172	218	339	228	95.8	25.4	1.68
Ac-ft	660	8,060	4,440	12,130	4,010	10,590	13,000	20,870	13,580	5,890	1,560	100

	Observed				Adjusted	
Calendar year 1973:	Max 850	Min 9.3	Mean 97.6	Ac-ft 70,670	Mean 98.5	Ac-ft 71,300
Water year 1973-74:	Max 850	Min 9.3	Mean 126	Ac-ft 90,910	Mean 131	Ac-ft 94,890

10343000 Independence Creek near Truckee, Calif.

LOCATION.--Lat 39°27'20", Long 120° 17'15", in NW¼SW¼ sec.35, T.19 N., R.15 E., Sierra County, on left bank 0.3 mi (0.5 km) downstream from Independence Lake outlet, 6.5 mi (10.5 km) northwest of Hobart Mills, and 10 mi (16 km) north-northwest of Truckee.

DRAINAGE AREA.--7.63 mi^2 (19.76 km^2).

PERIOD OF RECORD.--November 1902 to September 1907, November 1909 to June 1910, August 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,940 ft (2,115 m), from topographic map. July 1, 1904, to June 30, 1910, water-stage recorder 75 ft (25 m) downstream from Independence Lake outlet; prior to July 1, 1904, water-stage recorder 600 ft (180 m) downstream at approximately same datum.

AVERAGE DISCHARGE.--11 years (1902-7, 1968-74), 32.8 ft^3/s (0.929 m^3/s), 23,760 acre-ft/yr (29.3 hm^3/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 243 ft^3/s (6.88 m^3/s) July 9, gage height, 5.60 ft (1.707 m); minimum daily, 0.02 ft^3/s (0.001 m^3/s) Oct. 1-14.

Period of record: Maximum discharge observed, 286 ft^3/s (8.10 m^3/s) June 23, 1907, gage height, 3.9 ft (1.19 m) site and datum then in use; no flow Sept. 28 to Nov. 10, 1905 and June 1, 1906.

REMARKS.--Records good. Flow regulated by Independence Lake, usable capacity, 17,500 acre-ft (21.6 hm^3).

REVISIONS.--WSP 2127: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	1.6	23	.90	.60	11	5.3	7.6	83	51	12	7.9
2	.02	1.4	19	.55	.62	13	4.4	9.8	64	49	12	13
3	.02	1.0	8.7	.55	.62	4.6	3.0	15	76	47	11	15
4	.02	.90	1.6	.62	.62	2.4	4.2	30	87	41	11	15
5	.02	4.0	.62	.55	.62	1.8	3.4	50	95	37	10	15
6	.02	.91	.90	.55	.62	1.6	2.1	68	103	36	9.8	25
7	.02	.45	.62	.58	.62	1.5	1.8	93	110	30	9.8	41
8	.02	.32	.62	.62	.53	1.4	2.1	115	107	36	9.8	50
9	.02	.32	.62	.53	.53	1.2	5.0	124	90	173	10	56
10	.02	.38	.62	.62	.53	.90	2.0	126	86	194	10	55
11	.02	4.6	4.6	.62	.53	1.0	1.8	123	95	88	10	55
12	.02	5.2	2.6	.62	.53	3.2	2.0	123	103	32	9.8	55
13	.02	4.8	2.7	1.0	.53	.90	2.1	113	107	32	9.5	54
14	.02	6.3	2.1	.90	.53	.74	2.4	110	110	31	9.2	54
15	30	1.5	1.4	2.4	.53	.74	2.8	101	109	30	9.0	54
16	55	4.0	1.4	5.1	1.6	.90	3.3	91	106	28	9.0	53
17	43	5.0	4.0	18	.53	.90	3.6	83	103	28	9.0	53
18	31	7.4	2.1	3.6	.53	.90	3.8	76	97	26	9.0	52
19	26	1.8	1.0	3.8	2.6	.90	3.3	69	90	26	9.0	62
20	24	.90	.62	2.7	.62	.90	3.3	64	76	26	8.7	69
21	22	.90	1.4	2.2	2.7	.90	3.6	60	56	20	8.7	69
22	19	.90	.74	1.6	4.2	1.0	4.6	62	56	18	8.7	77
23	20	.90	.62	1.5	1.4	1.0	4.4	74	60	18	8.4	85
24	20	.74	.62	1.4	.74	1.2	3.3	95	59	17	8.4	85
25	20	.62	.62	1.4	.62	1.4	2.8	103	56	17	8.2	84
26	17	.62	1.4	1.2	2.0	1.2	2.7	111	52	17	8.2	83
27	16	.62	2.1	1.0	2.2	4.0	2.6	127	50	16	8.2	82
28	9.2	.62	.62	.74	1.6	7.2	3.4	133	49	15	7.9	81
29	2.2	.62	3.9	.74	------	4.5	4.4	135	50	14	7.9	80
30	3.6	2.7	2.1	.74	------	21	5.9	128	51	12	7.9	80
31	3.0	------	1.5	1.0	------	9.4	------	124	------	12	7.9	------
TOTAL	361.28	62.02	94.44	58.33	29.90	103.28	99.4	2,743.4	2,436	1,217	288.0	1,659.9
MEAN	11.7	2.07	3.05	1.88	1.07	3.33	3.31	88.5	81.2	39.3	9.29	55.3
MAX	55	7.4	23	18	4.2	21	5.9	135	110	194	12	85
MIN	.02	.32	.62	.53	.53	.74	1.8	7.6	49	12	7.9	7.9
AC-FT	717	123	187	116	59	205	197	5,440	4,830	2,410	571	3,290

CAL YR 1973 TOTAL 11,064.04 MEAN 30.3 MAX 179 MIN .02 AC-FT 21,950
WTR YR 1974 TOTAL 9,152.95 MEAN 25.1 MAX 194 MIN .02 AC-FT 18,150

10343500 SAGEHEN CREEK NEAR TRUCKEE, CALIF.

LOCATION.--Lat 39°25'54", long 120°14'07", in NE¼NE¼ sec.7, T.18 N., R.16 E., Nevada County, on left bank 2.2 mi (3.5 km) upstream from bridge on State Highway 89, and 7.5 mi (12.1 km) north of Truckee.

DRAINAGE AREA.--10.8 mi² (28.0 km²).

PERIOD OF RECORD.--October 1953 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 6,320 ft (1,926 m) from topographic map. Prior to Dec. 2, 1953, nonrecording gage at site 100 ft (30 m) upstream at different datum.

AVERAGE DISCHARGE.--21 years, 12.8 ft³/s (0.36 m³/s), 9,270 acre-ft/yr (11.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 189 ft³/s (5.35 m³/s) Nov. 12 (gage height, 3.49 ft or 1.064 m); minimum daily, 2.6 ft³/s (0.074 m³/s) Oct. 3.

Period of record: Maximum discharge, 765 ft³/s (21.7 m³/s) Feb. 1, 1963 (gage height, 4.64 ft or 1.414 m, from floodmarks), from rating curve extended above 110 ft³/s (3.12 m³/s) on basis of slope-area measurement at gage height 4.28 ft (1.305 m); minimum, 0.6 ft³/s (0.017 m³/s) Aug. 8, 1960, Aug. 7, 1961, result of temporary regulation.

REMARKS.--Records good. No storage or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	3.6	9.0	12	13	19	27	62	58	13	6.2	3.9
2	2.7	3.6	11	10	12	18	25	68	57	12	5.8	3.8
3	2.6	3.4	6.5	10	12	13	22	72	58	11	5.9	3.8
4	2.7	3.2	6.2	9.9	12	12	22	73	56	11	6.0	3.8
5	2.7	3.4	6.2	9.1	11	11	22	78	55	10	6.9	3.8
6	2.7	9.1	6.4	8.6	11	12	22	84	52	9.8	5.8	3.8
7	3.5	17	6.6	8.3	10	11	22	94	49	9.4	5.4	3.8
8	3.8	8.0	6.3	7.9	9.7	10	24	100	45	18	5.3	3.7
9	3.3	7.3	6.1	7.6	9.4	9.9	24	101	43	47	5.3	3.7
10	3.1	13	6.1	8.2	9.1	9.9	21	96	42	23	5.2	3.6
11	3.1	48	6.0	7.4	8.9	9.7	23	93	40	16	5.0	3.7
12	3.0	62	6.0	7.1	8.7	9.6	26	87	39	13	4.8	3.7
13	2.9	17	6.1	7.0	8.4	9.7	26	79	39	11	4.7	3.8
14	2.8	13	5.8	10	8.1	11	28	77	37	10	4.7	3.8
15	2.8	11	5.7	49	7.9	14	36	73	35	9.4	4.7	3.7
16	2.7	10	5.9	47	7.8	16	39	64	33	8.8	4.6	3.7
17	2.7	11	8.6	61	7.6	17	44	58	32	8.6	4.5	3.6
18	2.7	10	7.7	67	7.5	17	43	55	29	8.1	4.5	3.5
19	2.8	8.8	6.8	71	7.6	16	39	48	29	7.7	4.5	3.5
20	3.2	8.2	6.5	45	7.4	17	40	44	26	7.4	4.5	3.4
21	3.1	7.8	6.4	32	7.2	17	46	45	24	7.1	4.4	3.5
22	5.5	7.3	6.2	26	7.1	18	55	48	22	6.8	4.3	3.5
23	6.5	6.8	6.1	25	7.0	19	54	50	21	6.8	4.2	3.5
24	4.4	6.6	5.9	22	6.9	21	44	53	19	6.5	4.2	3.3
25	4.5	6.3	5.9	21	6.9	21	38	56	18	6.3	4.1	3.3
26	4.3	6.2	5.9	19	6.9	23	34	62	17	6.1	4.1	3.3
27	4.2	6.1	6.1	17	6.8	23	34	65	16	5.9	4.1	3.4
28	4.1	6.2	6.4	16	6.4	20	38	68	15	5.8	4.0	3.4
29	3.9	6.6	27	15	------	37	43	64	14	5.6	4.0	3.4
30	3.6	6.5	20	15	------	39	52	61	14	5.5	4.0	3.4
31	3.6	------	14	14	------	28	------	59	------	6.0	4.0	------
TOTAL	106.3	337.0	245.4	685.1	244.3	528.8	1,013	2,137	1,034	332.6	149.7	108.1
MEAN	3.43	11.2	7.92	22.1	8.73	17.1	33.8	68.9	34.5	10.7	4.83	3.60
MAX	6.5	62	27	71	13	39	55	101	58	47	6.9	3.9
MIN	2.6	3.2	5.7	7.0	6.4	9.6	21	44	14	5.5	4.0	3.3
AC-FT	211	668	487	1,360	485	1,050	2,010	4,240	2,050	660	297	214

CAL YR 1973 TOTAL 4,979.4 MEAN 13.6 MAX 86 MIN 2.6 AC-FT 9,880
WTR YR 1974 TOTAL 6,921.3 MEAN 19.0 MAX 101 MIN 2.6 AC-FT 13,730

PEAK DISCHARGE (BASE, 50 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-12	0600	3.49	189	5-7	1900	3.19	127
1-18	1900	3.00	97	7-9	1600	2.79	70
3-29	2330	2.63	54				

10344300 Stampede Reservoir near Boca, Calif.

LOCATION.--Lat 39°28'24", long 120°06'06", in SW¼NW¼NW¼ sec. 28, T.19 N., R.17 E., Sierra County, in control house on Stampede Dam on Little Truckee River, just downstream from mouth of Davies Creek and 6.2 mi (10.0 km) north of Boca.

DRAINAGE AREA.--136 mi^2 (352 km^2).

PERIOD OF RECORD.--August 1969 to current year.

GAGE.--Water-stage recorder with mercury-column manometer. Datum of gage is at mean sea level (levels by Bureau of Reclamation).

EXTREMES.--Current year: Maximum contents, 226,500 acre-ft (279 hm^3) June 19,21, elevation, 5,948.7 ft (1,813.16 m); minimum, 161,100 acre-ft (199 hm^3) Nov. 7, 9-10, elevation, 5,927.8 ft (1,806.79 m).

Period of record: Maximum contents, 226,500 acre-ft (279 hm^3) June 19, 21, 1974, elevation, 5,948.7 ft (1,813.16 m); minimum, (since July, 1971), 115,400 acre-ft (142 hm^3) Sept. 20-27, 1972, elevation, 5,909.8 ft (1,801.31 m).

REMARKS.--Reservoir is formed by rolled-earth and rockfill dam. Storage began Aug. 1, 1969. Total capacity, 226,500 acre-ft (279 hm^3) at elevation 5,948.7 ft (1,813.16 m), spillway crest. Inactive storage, 5,010 acre-ft (6.18 hm^3), includes 660 acre-ft (814,000 m^3) dead storage, below elevation 5,798.3 ft (1,767.32 m). Elevation of streambed at dam axis, 5,737.0 ft (1,748.64 m). Figures given herein represent total contents. Reservoir is used for flood control, municipal water supply, enhancement of fishery, and recreation.

COOPERATION.--Records furnished by the Bureau of Reclamation.

MONTH-END ELEVATIONS AND TOTAL CONTENTS AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

Date	Elevation (feet)	Contents (acre-ft)	Change in contents (acre-feet)
Sept. 30	5,939.2	194,900	--
Oct. 31	5,930.0	167,400	-27,500
Nov. 30	5,930.8	169,700	+2,300
Dec. 31	5,931.8	172,600	+2,900
Calendar Year 1973	--	--	+49,800
Jan. 31	5,937.3	189,200	+16,600
Feb. 28	5,938.6	193,000	+3,800
Mar. 31	5,942.0	204,000	+11,000
Apr. 30	5,942.3	205,200	+1,200
May 31	5,946.9	220,200	+15,000
June 30	5,948.2	224,900	+4,700
July 31	5,946.3	218,300	-6,600
Aug. 31	5,939.2	195,200	-23,100
Sept. 30	5,938.5	192,900	-2,300
Water Year 1973-74	--	--	-2,000

10344400 Little Truckee River above Boca Reservoir, near Boca, Calif.

LOCATION.--Lat 39°26'10", long 120°05'00", in SW¼SW¼ sec.3, T.18 N., R.17 E., Nevada County, on left bank 1 mi (1.6 km) upstream from Boca Reservoir, 1.5 mi (2.4 km) upstream from Dry Creek, 3.0 mi (4.8 km) downstream from Stampede Dam on Little Truckee River, and 3.5 mi (5.6 km) north of Boca.

DRAINAGE AREA.--146 mi^2 (378 km^2).

PERIOD OF RECORD.--June 1903 to October 1910, September 1939 to current year. Published as "at Pine Station" June 1903 to December 1907 and as "at Starr" January 1908 to October 1910. Monthly discharge only for some periods, published in WSP 1314 and 1734.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5,618.67 ft (1,712.571 m) above mean sea level (Bureau of Reclamation bench mark). June 1903 to October 1910, nonrecording gages at different sites and datums.

AVERAGE DISCHARGE.--42 years (1903-10, 1939-74), 243 ft^3/s (6.882 m^3/s), 141,280 acre-ft/yr (174 hm^3/yr), adjusted for storage.

EXTREMES.--Current year: Maximum discharge, 1,060 ft^3/s (30.0 m^3/s) Mar. 31, gage height, 2.70 ft (0.823 m); maximum gage height, 2.75 ft (0.838 m) Apr. 1 (backwater from debris); minimum discharge, 36 ft^3/s (1.02 m^3/s) for part or all of each day Jan. 7-10, Sept. 28-30.

Period of record: Maximum discharge, 13,300 ft^3/s (377 m^3/s) Feb. 1, 1963, gage height, 9.00 ft (2.743 m) from rating curve extended above 1,600 ft^3/s (45.3 m^3/s) on basis of slope area measurement of peak flow; minimum daily, 0.30 ft^3/s (0.008 m^3/s) Sept. 16-21, 1969.

REMARKS.--Records excellent. Flow regulated by Independence Lake, capacity, about 17,500 acre-ft (21.6 hm^3), one transmountain diversion to Sierra Valley, and Stampede Reservoir, capacity, 226,500 acre-ft (279 hm^3).

REVISIONS (WATER YEARS).--WSP 1564: 1903-4, 1906-7, 1910, drainage area at site used 1903-7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	494	343	76	40	40	61	985	442	640	543	428	108
2	497	180	73	33	40	54	873	310	641	587	398	107
3	497	118	73	31	40	48	871	313	783	543	398	107
4	503	115	73	33	40	46	496	311	969	586	398	106
5	500	117	73	33	40	45	234	311	758	586	398	83
6	497	118	73	33	40	46	232	311	523	586	397	60
7	509	118	73	33	39	46	230	312	390	585	397	59
8	504	109	73	33	38	44	230	312	238	586	370	59
9	503	104	73	31	38	45	231	227	238	330	330	59
10	503	104	73	65	38	46	227	153	313	44	299	59
11	500	108	74	103	38	46	330	152	416	40	298	59
12	500	93	73	103	38	51	405	151	415	39	340	59
13	503	42	74	105	38	51	404	336	462	39	396	59
14	502	40	73	85	38	54	404	562	510	38	397	59
15	502	39	73	69	38	56	405	689	471	38	398	59
16	503	40	73	74	39	58	408	789	112	38	398	59
17	503	43	76	94	38	58	409	789	110	38	397	59
18	503	41	75	84	38	57	352	789	296	38	396	59
19	503	39	73	80	39	57	313	789	458	38	397	106
20	503	38	73	65	38	56	313	709	308	38	397	39
21	503	38	74	55	38	56	312	590	394	38	396	37
22	506	56	73	50	38	57	329	589	516	61	396	56
23	508	88	73	47	38	57	364	549	381	103	397	194
24	508	128	73	45	38	57	364	512	192	103	397	144
25	508	128	72	44	38	197	389	514	146	126	396	99
26	505	135	72	43	39	438	409	515	145	242	395	83
27	504	144	73	41	39	439	409	514	320	346	396	38
28	503	145	74	41	39	442	409	515	499	348	397	37
29	504	117	88	41	------	458	366	625	500	394	276	37
30	503	74	81	41	------	474	417	801	498	457	198	36
31	503	------	62	40	------	829	------	735	------	457	152	------
TOTAL	15,584	3,002	2,285	1,715	1,082	4,529	12,120	15,216	12,640	8,035	11,423	2,185
MEAN	503	100	73.7	55.3	38.6	146	404	491	421	259	368	72.8
MAX	509	343	88	105	40	829	985	801	969	587	428	194
MIN	494	38	62	31	38	44	227	151	110	38	152	36
AC-FT	30,910	5,950	4,530	3,400	2,150	8,980	24,040	30,180	25,070	15,940	22,660	4,330

*Adjusted for change in storage in Stampede Reservoir (see preceding page)

Mean	55.5	139	121	325	107	325	424	735	500	152	-7.16	34.1
Ac-ft	3,410	8,250	7,430	20,000	5,950	19,980	25,240	45,180	29,770	9,340	-440	2,030

	Observed				Adjusted	
Calendar year 1973:	Max 523	Min 1.6	Mean 127	Ac-ft 91,650	Mean 195	Ac-ft 141,450
Water year 1973-74:	Max 985	Min 31	Mean 246	Ac-ft 178,200	Mean 243	Ac-ft 176,200

* Negative values may occur occasionally (meaningless, of course) because reservoir evaporation is not considered in the adjustment.

10344490 Boca Reservoir at Boca, Calif.

LOCATION.--Lat 39°32'20", long 120°05'40", in NE¼NW¼ sec.28, T.18 N., R.17 E., Nevada County, in control house at Boca Dam on Little Truckee River, 1,800 ft (549 m) upstream from mouth, and 0.5 mi (0.8 km) northwest of Boca.

DRAINAGE AREA.--172 mi^2 (445 km^2).

PERIOD OF RECORD.--December 1938 to current year. Month-end contents only for December 1938 to September 1957, published in WSP 1734.

GAGE.--Pressure gage with mercury column read once daily. Datum of gage is at mean sea level (levels by Bureau of Reclamation).

EXTREMES.--Current year: Maximum contents, 40,870 acre-ft (50.4 hm^3) June 19 to July 29, elevation, 5,605.0 ft (1,708.40 m); minimum, 5,430 acre-ft (6.70 hm^3) Oct. 1, elevation, 5,551.4 ft (1,692.07 m).

Period of record: Maximum contents, 41,440 acre-ft (51.1 hm^3) Dec. 23, 1955, elevation, 5,605.55 ft (1,708.572 m); minimum, 37 acre-ft (45,600 m^3) Mar. 4-9, 1955, elevation, 5,521.65 ft (1,682.999 m).

REMARKS.--Reservoir is formed by earthfill, rock-faced dam. Storage began Dec. 8, 1938. Usable capacity, 40,870 acre-ft (50.4 hm^3) between elevations 5,521 (1,682.8 m), outlet sill, and 5,605 ft (1,708.4 m) top of spillway gates. Elevation of spillway (gate open) is 5,589.01 ft (1,703.530 m). Dead storage, 241 acre-ft (297,000 m^3), below outlet sill. Figures given herein represent usable contents. Water is used for irrigation in the State of Nevada and for power developement.

COOPERATION.--Daily elevations furnished by Washoe County Water Conservation District.

REVISIONS.--WSP 1634: Drainage area.

CAPACITY TABLE (ELEVATION, IN FEET, AND CONTENTS, IN ACRE-FEET)

5,550	4,970	5,590	27,510
5,560	8,780	5,600	36,150
5,570	13,770	5,605	40,870
5,580	20,000		

CONTENTS, IN ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,430	32,980	32,540	32,200	32,020	31,520	32,630	33,160	39,320	40,870	40,380	38,270
2	6,460	33,070	32,540	32,280	32,020	31,850	33,070	33,250	39,610	40,870	40,280	38,180
3	7,470	33,070	32,540	32,280	32,020	31,850	32,890	33,250	39,900	40,870	40,190	37,990
4	8,600	32,890	32,540	32,020	32,020	31,850	32,890	33,420	39,900	40,870	40,090	37,900
5	9,590	32,890	32,460	31,850	31,940	31,940	32,890	33,420	39,900	40,870	39,990	37,990
6	10,680	32,890	32,460	31,700	31,940	32,020	32,720	33,600	40,090	40,870	39,900	37,990
7	11,680	32,890	32,370	31,000	31,850	32,110	32,540	33,600	40,090	40,870	39,800	37,990
8	12,720	32,810	32,370	31,520	31,850	32,020	32,370	33,960	40,090	40,870	39,700	37,990
9	13,770	32,630	32,370	31,520	31,850	32,020	32,200	34,310	40,090	40,870	39,420	37,990
10	14,860	32,540	32,370	31,260	31,850	32,020	32,020	34,580	40,090	40,870	39,320	37,990
11	15,930	32,460	32,370	31,180	31,850	31,940	32,020	34,850	40,090	40,870	39,130	37,990
12	16,980	32,460	32,370	31,180	31,760	31,940	31,940	35,220	40,090	40,870	38,940	37,990
13	18,000	32,460	32,370	31,180	31,700	32,020	31,850	35,400	40,190	40,870	38,750	37,990
14	19,190	32,460	32,370	31,260	31,700	32,020	31,850	36,310	40,280	40,870	38,560	37,990
15	20,070	32,460	32,280	31,520	31,700	32,020	31,850	37,430	40,480	40,870	38,650	37,990
16	20,840	32,460	32,280	31,850	31,700	32,110	31,850	38,270	40,670	40,870	38,650	37,990
17	21,540	32,460	32,200	32,540	31,700	32,200	31,850	39,130	40,670	40,870	38,560	37,990
18	22,190	32,460	32,200	32,980	31,610	32,200	32,110	39,130	40,770	40,870	38,460	37,990
19	22,850	32,460	32,200	33,340	31,610	32,200	32,200	39,320	40,870	40,870	38,460	37,990
20	23,660	32,370	32,200	32,250	31,520	32,370	32,370	39,320	40,870	40,870	38,370	38,180
21	24,340	32,370	32,200	33,160	31,520	32,280	32,370	39,130	40,870	40,870	38,080	38,270
22	25,030	32,370	32,200	32,540	31,520	32,200	32,460	38,940	40,870	40,870	38,080	38,370
23	25,970	32,280	32,200	32,370	31,520	32,200	32,540	38,940	40,870	40,870	38,080	38,560
24	26,760	32,370	32,110	32,370	31,440	32,200	32,540	38,840	40,870	40,870	38,080	38,940
25	27,490	32,370	32,110	32,110	31,350	32,110	32,630	38,840	40,870	40,870	38,180	39,130
26	28,300	32,370	32,020	32,110	31,440	31,940	32,720	38,840	40,870	40,870	38,080	39,130
27	29,140	32,370	32,020	32,110	31,520	31,850	32,810	38,940	40,870	40,870	38,080	39,130
28	29,980	32,370	32,020	32,110	31,520	31,850	32,890	38,940	40,870	40,870	38,080	39,130
29	30,830	32,460	32,110	32,020	------	32,020	32,980	38,940	40,870	40,870	38,080	39,220
30	31,610	32,460	32,200	32,020	------	32,110	33,070	38,940	40,870	40,480	38,370	39,320
31	32,200	------	32,200	32,020	------	32,280	------	38,940	------	40,280	38,270	39,320
											38,370	------
MAX	32,200	33,070	32,540	33,340	32,020	32,370	33,070	39,320	40,870	40,870	40,380	39,320
MIN	5,430	32,280	32,020	31,000	31,350	31,520	31,850	33,160	39,320	40,280	38,080	37,900
(†)	5,595.60	5,595.90	5,595.60	5,595.40	5,594.80	5,595.70	5,596.60	5,603.00	5,605.00	5,604.45	5,602.35	5,603.40
(‡)	+27,900	+260	-260	-180	-500	+760	+790	+5,870	+1,930	-590	-1,910	+950

CAL YR 1973	MAX	41,000	MIN	60	‡ +2,480
WTR YR 1974	MAX	40,870	MIN	5,430	‡ +35,000

† ELEVATION, IN FEET, AT END OF MONTH.
‡ CHANGE IN CONTENTS, IN ACRE-FEET.

10344500 Little Truckee River at Boca, Calif.

LOCATION.—Lat 39°23'10", long 120°05'40", in NE¼NW¼ sec.28, T.18 N., R.17 E., Nevada County, on right bank 800 ft (244 m) upstream from mouth, 1,000 ft (305 m) downstream from Boca Dam, and 0.3 mi (0.5 km) northwest of Boca.

DRAINAGE AREA.—172 mi^2 (445 km^2).

PERIOD OF RECORD.—April to October 1890 (monthly discharge only), January 1911 to September 1915, January 1939 to current year. Monthly discharge only for January 1939 to September 1957, published in WSP 1734.

GAGE.—Water-stage recorder. Altitude of gage is 5,500 ft (1,676 m) from topographic map. Jan. 1, 1911, to Sept. 30, 1915, nonrecording gage at site 650 ft (200 m) downstream at different datum. January 1939 to September 1957, records computed from daily log of rated settings of needle valve in dam, and from computed flow over spillway.

AVERAGE DISCHARGE.—39 years (1911-15, 1939-74), 186 ft^3/s (5.268 m^3/s), 134,800 acre-ft/yr (166 hm^3/yr), unadjusted.

EXTREMES.—Current year: Maximum discharge, 1,050 ft^3/s (29.7 m^3/s) Apr. 3, 4, gage height, 4.60 ft (1.402 m); minimum daily, 0.06 ft^3/s (0.002 m^3/s) Oct. 1-3.

Period of record: Maximum discharge, 8,800 ft^3/s (249 m^3/s) Dec. 24, 1955, from records of Washoe County Water Conservation District; no flow for many days in most years.

REMARKS.—Records good. Flow regulated by Boca Reservoir, capacity, 40,870 acre-ft (50.4 hm^3), Independence Lake, capacity, about 17,500 acre-ft (21.6 hm^3), one transmountain diversion to Sierra Valley, and Stampede Reservoir, capacity, 226,500 acre-ft (279 hm^3) since Aug. 1, 1969.

REVISIONS.—WSP 1564: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.06	165	82	32	62	57	955	379	479	542	427	148
2	.06	167	82	35	62	57	1,020	254	482	598	433	148
3	.06	163	83	165	62	58	1,040	255	725	596	433	148
4	.08	127	83	165	62	58	606	258	974	596	440	97
5	.08	135	83	163	62	57	376	260	740	596	440	46
6	.35	165	83	163	62	57	376	262	494	596	440	46
7	.41	165	83	87	62	90	376	188	376	600	440	47
8	.41	165	83	.68	62	105	353	129	235	600	440	47
9	.08	163	85	86	62	105	330	52	233	292	413	35
10	.08	163	86	159	62	105	330	.1	314	26	376	25
11	.10	163	86	159	63	99	417	.1	379	27	379	38
12	.10	110	86	159	63	82	444	.1	356	38	410	49
13	.10	53	86	77	63	82	437	.2	423	40	444	49
14	.08	54	86	11	63	81	433	.2	444	40	407	50
15	102	53	86	26	63	86	430	188	391	40	379	50
16	163	54	86	12	64	104	430	367	53	40	410	46
17	167	55	86	1.4	59	104	356	568	29	39	444	28
18	169	56	87	110	55	104	261	760	242	39	444	17
19	159	56	87	211	55	104	270	735	427	39	444	1.3
20	161	57	87	216	55	133	275	740	278	38	444	1.4
21	165	60	87	270	55	153	275	740	403	38	410	1.4
22	137	61	87	320	55	151	296	656	486	61	388	1.3
23	108	74	87	228	56	151	328	568	358	90	388	1.4
24	113	107	87	151	56	151	317	516	214	90	391	1.4
25	108	107	87	117	57	339	347	465	142	116	391	25
26	111	135	89	56	57	539	358	465	144	238	391	49
27	108	161	90	63	57	539	356	465	350	322	391	31
28	111	125	91	63	57	539	353	468	490	330	311	1.6
29	139	82	91	63	------	562	303	638	486	472	242	1.6
30	167	82	93	63	------	590	397	745	483	556	189	25
31	167	------	63	62	------	812	------	608	------	458	148	------
TOTAL	2,357.05	3,283	2,648	3,502.08	1,673	6,254	12,845	11,729.7	11,630	8,193	12,127	1,255.4
MEAN	76.0	109	85.4	113	59.8	202	428	378	388	264	391	41.8
MAX	169	167	93	328	64	812	1,040	760	974	600	444	148
MIN	.06	53	63	.68	55	57	261	.10	29	26	148	1.3
AC-FT	4,680	6,510	5,250	6,950	3,320	12,400	25,480	23,270	23,070	16,250	24,050	2,490

CAL YR 1973 TOTAL 50,491.74 MEAN 138 MAX 596 MIN .04 AC-FT 100,200

WTR YR 1974 TOTAL 77,497.23 MEAN 212 MAX 1,040 MIN .06 AC-FT 153,700

10346000 Truckee River at Farad, Calif.

LOCATION.--Lat 39°25'41", long 120°01'59", in NE¼ sec.12, T.18 N., R.17 E., Nevada County, on left bank o.5 mi (0.8 km) upstream from Mystic Canyon, 0.7 mi (1.1 km) downstream from Farad powerplant, 2.5 mi (4.0 km) north of Floriston, 3.4 mi (5.5 km) downstream from Bronco Creek, and 3.5 mi (5.6 km) upstream from California-Nevada State line.

DRAINAGE AREA.--932 mi^2 (2,414 km^2).

PERIOD OF RECORD.--March to October 1890 (monthly discharge only), September 1899 to current year. Monthly discharge only for January 1944 to July 1957, published in WSP 1734. Published as "near Boca" March to October 1890, "at or near Nevada-California State line" September 1899 to August 1912, and as "at Iceland" August 1912 to December 1937.

GAGE.--Water-stage recorder. Datum of gage is 5,153.21 ft (1,570.698 m) above mean sea level (Bureau of Reclamation bench mark.) March to October 1890, nonrecording gage at site about 7 mi (11 km) upstream at different datum. Sept. 7, 1899, to May 31, 1909, nonrecording gage at approximately present location at different datum. June 1, 1909, to July 31, 1912, nonrecording gage at site about 2.5 mi (4.0 km) downstream at different datum. Aug. 1 1912, to Dec. 31, 1937, water-stage recorder at site 4.1 mi (6.6 km) upstream at different datum. Jan. 1 1938. to Aug. 27, 1957, water-stage recorder at approximately present location at different datum.

AVERAGE DISCHARGE.--75 years (1899-1974), 799 ft^3/s (22.63 m^3/s), 578,900 acre-ft/yr (714 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 3,410 ft^3/s (96.6 m^3/s) Apr. 2, gage height, 6.31 ft (1.923 m); minimum, 359 ft^3/s (10.2 m^3/s) Jan. 14.

Period of record: Maximum discharge, 17,500 ft^3/s (496 m^3/s) Nov. 21, 1950, gage height, 14.5 ft (4.420 m), present datum, from floodmarks, from slope-area measurement of peak flow; minimum, 28 ft^3/s (0.793 m^3/s) Dec. 18, 1930.

REMARKS.--Records excellent. Flow regulated by Lake Tahoe, Martis Creek Lake, Prosser Creek, Stampede and Boca Reservoirs, Donner and Independence Lakes, and by several powerplants. Water-quality records for the current year are published in Part 2 of this report for Truckee River at Floriston, Calif. No appreciable inflow between sampling point and gaging station.

REVISIONS.--WSP 1714: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	616	505	434	547	724	1,030	2,760	2,080	2,420	1,180	921	658
2	627	502	425	489	699	1,120	2,950	2,050	2,440	1,140	924	681
3	699	497	415	608	687	1,020	3,040	2,090	2,510	1,100	920	712
4	666	467	406	603	679	979	2,470	2,100	2,510	1,060	925	739
5	667	473	399	590	668	968	2,150	2,150	2,160	1,040	944	702
6	682	555	395	578	650	1,000	2,050	2,220	1,830	983	834	705
7	668	720	397	522	643	1,060	2,220	2,330	1,790	961	821	703
8	651	665	391	412	637	1,090	2,190	2,540	1,550	984	813	698
9	624	541	387	451	631	1,170	2,090	2,520	1,500	1,700	789	689
10	602	619	384	520	627	1,170	1,870	2,530	1,620	1,950	739	675
11	565	1,640	391	516	623	1,130	1,850	2,550	1,770	1,780	733	682
12	550	2,210	386	517	622	1,090	1,910	2,490	1,820	1,670	753	694
13	539	1,560	394	476	618	1,090	1,910	2,460	2,050	1,610	832	688
14	529	1,200	383	386	615	1,100	1,930	2,240	2,080	1,580	842	684
15	556	840	379	1,180	612	1,180	1,980	2,310	1,910	1,490	810	683
16	578	670	380	1,460	615	1,260	2,030	2,350	1,510	1,290	816	674
17	572	638	415	2,210	603	1,280	1,970	2,010	1,310	1,270	848	646
18	571	652	435	2,140	600	1,280	1,900	2,110	1,100	1,250	845	640
19	560	560	409	2,830	614	1,270	1,810	2,000	1,250	1,220	851	604
20	546	505	402	2,230	605	1,300	1,800	1,850	1,070	1,120	895	624
21	522	476	408	1,850	695	1,340	1,820	1,780	1,100	1,110	871	619
22	506	438	407	1,640	785	1,370	1,940	1,770	1,290	1,120	844	570
23	530	437	397	1,520	845	1,410	2,040	1,750	1,140	1,130	842	557
24	491	482	391	1,230	847	1,420	1,940	1,770	976	1,020	841	554
25	488	466	390	1,110	852	1,590	1,890	1,790	864	952	838	563
26	495	467	392	951	860	1,810	1,850	2,010	828	961	836	595
27	495	471	412	908	852	1,840	1,800	2,270	983	973	834	551
28	491	446	428	869	853	1,840	1,800	2,420	1,140	973	774	512
29	505	405	820	821	------	2,000	1,760	2,400	1,110	1,050	663	490
30	507	409	870	782	------	2,260	1,900	2,750	1,130	1,060	649	469
31	509	------	649	739	------	2,420	------	2,600	------	968	641	------
TOTAL	17,607	20,516	13,571	31,685	19,361	41,887	61,620	68,290	46,761	37,695	25,488	19,061
MEAN	568	684	438	1,022	691	1,351	2,054	2,203	1,559	1,216	822	635
MAX	699	2,210	870	2,830	860	2,420	3,040	2,750	2,510	1,950	944	739
MIN	488	405	379	386	600	968	1,760	1,750	828	952	641	469
AC-FT	34,920	40,690	26,920	62,850	38,400	83,080	122,200	135,500	92,750	74,770	50,560	37,810

CAL YR 1973 TOTAL 259,707 MEAN 712 MAX 2,210 MIN 379 AC-FT 515,100
WTR YR 1974 TOTAL 403,542 MEAN 1,106 MAX 3,040 MIN 379 AC-FT 800,400

10347800 Peavine Creek near Reno, Nev.

LOCATION.--Lat 39°32'35", long 119°51'55", in SE¼NE¼ sec.5, T.19 N., R.19 E., Washoe County, on left bank 1.1 mi (1.8 km) upstream from Highland ditch, 100 ft (30.5 m) downstream from Peavine Dam, and 3.2 mi (5.1 km) northwest of Reno Post Office.

DRAINAGE AREA.--2.34 mi^2 (6.06 km^2).

PERIOD OF RECORD.--January 1963 to Sept. 30, 1974 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 4,990 ft (1,521 m), from topographic map. June 17 to Oct. 9, 1963, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--11 years, 0.055 ft^3/s (0.0016 m^3/s), 40 acre-ft/yr (49,320 m^3/yr).

EXTREMES.--Current year: Maximum discharge, 1.8 ft^3/s (0.051 m^3/s) Jan. 17, gage height, 0.70 ft (0.213 m); no flow most of the year.
Period of record: Maximum discharge, 32 ft^3/s (0.906 m^3/s) Mar. 16, 1967; no flow most of the time.

REMARKS.--Records good. Dam above station used for flood control. Water-quality records for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				0		0						
2				0		0						
3				0		0						
4				0		0						
5				0		.06						
6				0		.36						
7				0		.21						
8				0		.08						
9				0		.04						
10				0		.03						
11				0		.02						
12				0		.01						
13				0		0						
14				0		0						
15				0		0						
16				.50		0						
17				1.5		0						
18				.80		0						
19				.32		0						
20				.21		0						
21				.10		0						
22				.06		0						
23				.04		0						
24				.04		0						
25				.03		0						
26				.02		0						
27				.02		0						
28				.02		0						
29				.02	------	0						
30				.02	------	0						
31		------		0	------	0	------		------			------
TOTAL	0	0	0	3.70	0	.81	0	0	0	0	0	0
MEAN	0	0	0	.12	0	.026	0	0	0	0	0	0
MAX	0	0	0	1.5	0	.36	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	7.3	0	1.6	0	0	0	0	0	0

CAL YR 1973 TOTAL 6.00 MEAN .016 MAX .70 MIN 0 AC-FT 12
WTR YR 1974 TOTAL 4.51 MEAN .012 MAX 1.5 MIN 0 AC-FT 8.9

10348000 Truckee River at Reno, Nev.

LOCATION.--Lat 39°31'55", long 119°47'05", in NW¼ sec.7, T.19 N., R.20 E., Washoe County, on left bank 400 ft (122 m) downstream from Kietzke Lane bridge, 0.5 mi (0.8 km) downstream from Scott Island, 1.5 mi (2.4 km) east of Reno Post Office, and 5 mi (8 km) upstream from Steamboat Creek.

DRAINAGE AREA.--1,067 mi^2 (2,764 km^2).

PERIOD OF RECORD.--July 1906 to September 1921, June 1925 to September 1926, January 1930 to December 1935, January to December 1943, January 1946 to current year. Monthly discharge only for some periods, published in WSP 1314 and 1734.

GAGE.--Water-stage recorder. Datum of gage is 4,431.97 ft (1,350.864 m) above mean sea level (levels by Corps of Engineers). July 1906 to September 1946, nonrecording gage at site 1 mi (2 km) upstream at different datum.

AVERAGE DISCHARGE.--48 years (1906-21, 1925-26, 1930-34, 1946-74), 680 ft^3/s (19.26 m^3/s), 492,700 acre-ft/yr (607 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 3,590 ft^3/s (102 m^3/s) Jan. 19, gage height, 6.54 ft (1.993 m); minimum, 153 ft^3/s (4.33 m^3/s) Sept. 30.

Period of record: Maximum discharge, 20,800 ft^3/s (589 m^3/s) Dec. 23, 1955; maximum gage height, 13.83 ft (4.215 m) Nov. 21, 1950; no flow Sept. 12, 14-24, 26-30, 1926.

REMARKS.--Records good. Flow regulated by Lake Tahoe, Prosser Creek, Stampede and Boca Reservoirs, Donner and Independence Lakes, and by several powerplants. Many diversions above station.

REVISIONS.--WSP 1714: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	348	420	522	572	717	1,230	2,840	1,860	2,060	901	664	342
2	340	410	425	450	686	1,400	2,970	1,790	2,100	854	690	357
3	424	410	441	500	672	1,130	3,100	1,790	2,170	816	641	394
4	419	410	420	560	663	1,050	2,510	1,780	2,190	784	643	442
5	402	434	409	600	650	1,060	2,190	1,810	1,940	802	685	418
6	433	508	408	585	618	1,100	2,030	1,880	1,590	745	572	410
7	433	630	409	559	618	1,150	2,200	1,950	1,600	711	519	410
8	433	715	405	380	609	1,140	2,160	2,170	1,380	770	507	410
9	419	521	397	360	599	1,230	2,100	2,210	1,290	1,490	493	405
10	415	554	391	400	595	1,240	1,870	2,190	1,360	1,850	444	387
11	369	1,490	398	450	590	1,210	1,770	2,250	1,550	1,620	415	391
12	357	2,290	396	495	587	1,150	1,840	2,210	1,530	1,490	409	420
13	340	1,680	430	539	583	1,150	1,800	2,180	1,730	1,420	487	412
14	328	1,340	405	414	581	1,180	1,810	1,960	1,840	1,360	538	413
15	328	918	394	1,200	571	1,270	1,850	2,010	1,690	1,300	488	403
16	377	699	391	1,580	568	1,380	1,880	2,080	1,340	1,040	482	407
17	369	675	420	2,750	568	1,390	1,620	1,750	1,190	1,010	529	380
18	357	712	461	2,280	563	1,400	1,770	1,870	921	982	527	382
19	357	584	406	3,110	580	1,380	1,680	1,750	1,120	961	523	403
20	352	498	394	2,390	566	1,390	1,630	1,640	914	842	576	331
21	336	476	423	1,950	653	1,430	1,620	1,540	765	826	568	338
22	336	428	440	1,710	745	1,450	1,690	1,550	1,100	824	528	312
23	415	409	406	1,620	831	1,480	1,810	1,490	903	848	522	293
24	357	454	392	1,300	844	1,480	1,760	1,550	753	746	519	294
25	352	452	384	1,200	853	1,590	1,680	1,490	589	654	515	278
26	348	447	381	991	870	1,830	1,660	1,640	561	647	510	317
27	360	457	419	937	857	1,870	1,590	1,910	615	670	510	310
28	370	462	430	895	862	1,890	1,570	2,060	875	682	492	276
29	370	401	764	830	------	2,040	1,540	1,990	825	755	369	255
30	390	401	1,040	793	------	2,430	1,600	2,360	843	823	351	243
31	410	------	714	727	------	2,410	------	2,270	------	720	315	------
TOTAL	11,644	20,285	14,115	33,127	18,599	44,530	58,340	58,980	39,334	29,943	16,031	10,833
MEAN	376	676	455	1,069	668	1,436	1,945	1,903	1,311	966	517	361
MAX	433	2,290	1,040	3,110	870	2,430	3,100	2,360	2,190	1,850	690	442
MIN	328	401	381	360	563	1,050	1,540	1,490	561	647	315	243
AC-FT	23,100	40,240	28,000	65,710	37,090	88,330	115,700	117,000	78,020	59,390	31,800	21,490

CAL YR 1973 TOTAL 208,710 MEAN 572 MAX 2,290 MIN 328 AC-FT 414,000
WTR YR 1974 TOTAL 355,861 MEAN 975 MAX 3,110 MIN 243 AC-FT 705,900

10348460 Franktown Creek near Carson City, Nev.

LOCATION.--Lat 39°12'12", long 119°52'17", in NW¼SW¼SE¼ sec.32, T.16 N., R.19 E., Washoe County, on right bank 300 ft (91 m) upstream from Red House diversion dam, 0.2 mi (0.3 km) upstream from Red House, and 6.1 mi (9.8 km) northwest of Carson City.

DRAINAGE AREA.--3.24 mi^2 (8.39 km^2).

PERIOD OF RECORD.--June to September 1974.

GAGE.--Water-stage recorder. Altitude of gage is 7,380 ft (2,250 m), from topographic map.

EXTREMES.--Maximum discharge during period June to September, 19 ft^3/s (0.54 m^3/s) July 9, gage height, 1.86 ft (0.567 m); minimum daily, 0.96 ft^3/s (0.027 m^3/s) Aug. 6.

REMARKS.--Records good. Flow regulated by Hobart Reservoir, and Marlette Lake (by pumping, during dry years).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									9.0	2.4	2.1	1.6
2									9.0	2.3	2.0	1.6
3									8.7	2.3	2.0	1.6
4					†2.1			†10	8.7	2.3	2.0	1.6
5			†2.0						8.4	2.2	1.7	1.6
6									8.0	2.1	.96	1.7
7									4.1	2.1	1.2	1.7
8									3.2	2.2	1.6	1.7
9									5.4	9.0	1.7	1.7
10									5.6	6.8	1.7	1.7
11				†2.4					5.6	3.7	1.6	1.7
12									5.2	3.0	1.6	1.7
13									5.0	2.7	1.6	1.8
14									4.5	2.4	1.7	1.8
15						†2.4			4.5	2.3	1.8	1.8
16								‡40	4.3	2.3	2.3	1.8
17									3.9	2.3	2.4	1.8
18									3.7	2.3	2.7	1.8
19									3.7	2.2	2.5	1.8
20			†2.1						3.6	2.2	2.5	1.8
21									3.4	2.1	2.5	1.7
22									3.2	2.2	1.9	1.7
23									3.0	2.3	1.6	1.7
24									2.9	2.1	1.5	1.7
25									2.8	2.2	1.6	1.7
26									2.8	2.2	1.6	1.6
27									2.8	2.2	1.6	1.6
28									2.7	2.1	1.6	1.6
29					------				2.5	2.1	1.6	1.6
30					------				2.4	2.1	1.6	1.6
31		------			------		------		------	2.1	1.6	------
TOTAL									142.6	82.8	56.36	50.8
MEAN									4.75	2.67	1.82	1.69
MAX									9.0	9.0	2.7	1.8
MIN									2.4	2.1	.96	1.6
AC-FT									283	164	112	101

† Result of discharge measurement.

‡ Result of slope-conveyance measurement of peak flow, date is approximate.

10348700 Washoe Lake near Carson City, Nev.

LOCATION.--Lat 39°16'30", long 119°47'35", in S½SE¼ sec.1, T.16 N., R.20 E., Washoe County, on Washoe County boatdock on northeast shore about 6.8 mi (10.9 km) north of Carson City.

DRAINAGE AREA.--83.8 mi^2 (217 km^2), including Little Washoe Lake.

PERIOD OF RECORD.--April 1963 to current year.

GAGE.--Reference mark. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum elevation observed, 5,028.6 ft (1,532.72 m) Apr. 19 and May 21; minimum observed, 5,025.7 ft (1,531.83 m) Oct. 23 and Dec. 3, 4.

Period of record: Maximum elevation observed, 5,030.6 ft (1,533.33 m) Feb. 12, 24, 1970; minimum observed, 5,023.5 ft (1,531.16 m) Nov. 24, 1964.

REMARKS.--Lake is formed by a natural basin whose natural rim falls below the control works on Little Washoe Lake allowing storage regulation. Two transarea diversions enter the lakes, one from Galena Creek and one from Third Creek into Ophir Creek. Franktown Creek is diverted into the Virginia City-Carson City pipeline and during dry years additional water is pumped from Marlette Lake into Hobart Reservoir and released into Franktown Creek for diversion into the Virginia City-Carson City pipeline at Red House.

ELEVATION, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

Oct. 23	5,025.7	Apr. 19	5,028.6
Dec. 3	5,025.7	May 21	5,028.6
Dec. 4	5,025.7	June 26	5,028.3
Dec. 20	5,026.0	July 23	5,027.8
Jan. 18	5,027.2	Aug. 21	5,027.0
Feb. 20	5,027.6	Sept. 16	5,026.4
Mar. 20	5,028.0		

* AREA TABLE ELEVATION, IN FEET, AND AREA, IN ACRES

5,017.5	0	5,022	2,880	5,027	5,100
5,018	350	5,023	3,050	5,028	5,440
5,019	850	5,024	3,320	5,029	5,690
5,020	1,700	5,025	4,110	5,030	5,890
5,021	2,400	5,026	4,700	5,031	6,040

* VOLUME TABLE ELEVATION, IN FEET AND VOLUME, IN ACRE-FEET

5,017.5	0	5,022	7,000	5,027	26,600
5,018	100	5,023	10,000	5,028	32,000
5,019	800	5,024	13,400	5,029	37,400
5,020	2,200	5,025	17,300	5,030	43,300
5,021	4,300	5,026	21,700	5,031	49,200

* Includes Wildlife Management area.

10348800 Little Washoe Lake near Steamboat, Nev.

LOCATION.--Lat 39°19'45", long 119°48'00", in NE¼NW¼ sec.24, T.17 N., R.19 E., Washoe County, at outlet (head of Steamboat Creek) and 5.5 mi (8.8 km) southwest of Steamboat.

DRAINAGE AREA.--83.8 mi^2 (217 km^2).

PERIOD OF RECORD.--April 1963 to September 1970 (monthly observations only), October 1970 to current year.

GAGE.--Water-stage recorder. Prior to Oct. 1, 1970, nonrecording gage at same site and datum. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum elevation recorded, 5,029.8 ft (1,533.08 m) Mar. 29 (pileup from wind); minimum recorded, 5,022.8 ft (1,530.95 m) Oct. 26-29.

Period of record: Maximum elevation observed, 5,030.6 ft (1,533.33 m) Feb. 12, 24, 1970; minimum observed, 5,021.9 ft (1,530.68 m) Oct. 28, 1964.

REMARKS.--Lake is formed by a natural basin supplemented by a control works downstream from the natural rim which provides storage regulation for both Little Washoe Lake and Washoe Lake. See additional remarks under "Washoe Lake." Strong steady winds often cause pileup on the side of the lake where the recorder is located.

AREA TABLE,ELEVATION, IN FEET, AND AREA, IN ACRES

5,021.1	0	5,025	93	5,029	110
5,022	20	5,026	101	5,030	111
5,023	54	5,027	104	5,031	112
5,024	82	5,028	108		

VOLUME TABLE,ELEVATION, IN FEET, AND VOLUME, IN ACRE-FEET

5,021.1	0	5,025	200	5,029	650
5,022	10	5,026	300	5,030	750
5,023	50	5,027	400	5,031	850
5,024	125	5,028	500		

ELEVATION. IN FEET. AT 2400. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NCV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.95	2.79	6.72	—	—	—	8.59	8.78	8.70	8.24	7.48	6.70
2	2.93	2.79	6.62	—	—	—	8.46	8.67	8.70	8.15	7.53	6.68
3	2.92	2.79	6.55	—	—	—	8.49	8.58	8.69	8.13	7.52	6.65
4	2.92	2.80	6.50	—	—	—	8.51	8.62	8.65	8.11	7.52	6.63
5	2.91	3.95	6.47	—	—	—	8.94	8.64	8.65	8.15	7.56	6.60
6	2.98	5.41	6.47	—	—	—	8.49	8.65	8.59	8.16	7.47	6.55
7	2.90	5.50	—	—	—	—	8.53	8.65	8.65	8.20	7.42	6.54
8	2.90	5.58	—	—	—	—	8.70	8.75	8.65	8.13	7.38	6.53
9	2.89	5.70	—	—	—	—	8.42	8.64	8.64	8.02	7.33	6.47
10	2.89	5.85	—	—	—	—	8.55	8.65	8.63	8.05	7.34	6.37
11	2.87	6.30	—	—	—	—	8.53	8.74	8.60	8.03	7.33	6.24
12	2.86	6.68	—	—	—	—	8.53	8.64	8.59	8.02	7.38	6.12
13	2.85	6.73	—	—	—	8.04	8.57	8.64	8.59	8.01	7.28	6.00
14	2.82	6.62	—	—	—	8.09	8.65	8.90	8.66	8.02	7.19	5.85
15	2.80	6.57	—	—	—	8.12	8.55	8.69	8.50	8.05	7.16	—
16	2.80	6.58	—	—	—	8.18	8.60	8.80	8.49	7.97	7.18	5.35
17	2.80	6.62	—	—	—	8.12	8.85	8.72	8.49	7.92	7.13	5.20
18	2.80	6.72	—	7.29	—	8.16	8.57	8.55	8.43	7.95	7.20	5.05
19	2.85	6.67	—	—	—	8.15	8.49	8.60	8.44	7.90	7.00	4.90
20	2.80	6.70	6.57	—	7.57	8.18	8.58	8.64	8.44	7.85	7.02	4.74
21	2.80	6.65	—	—	—	8.18	8.65	8.65	8.42	7.83	7.00	4.57
22	2.86	6.63	—	—	—	8.17	8.70	8.67	8.40	7.81	6.97	4.40
23	2.85	6.61	—	—	—	8.20	8.64	8.65	8.40	7.77	6.95	4.20
24	2.84	6.55	—	—	—	8.38	8.60	8.68	8.59	7.78	6.91	4.00
25	2.82	6.60	—	—	—	8.23	8.64	8.69	8.27	7.76	6.95	3.81
26	2.78	6.60	—	—	8.12	8.58	8.55	8.72	8.30	7.70	6.87	3.63
27	2.78	6.58	—	—	7.74	8.61	8.53	8.01	8.25	7.65	6.85	3.49
28	2.78	6.59	—	—	g7.76	8.40	8.58	8.83	8.24	7.67	6.80	3.39
29	2.78	6.61	—	—	------	10.17	8.60	8.68	8.23	7.61	6.80	3.32
30	2.79	6.85	—	—	------	8.32	8.70	8.70	8.20	7.70	6.78	3.27
31	2.85	------	g6.84	g7.41	------	8.58	------	8.70	------	7.58	6.75	------
MEAN	2.85	5.85	—	—	—	—	8.59	8.66	8.50	7.93	7.16	—
MAX	2.98	6.85	—	—	—	—	8.94	8.90	8.70	8.24	7.56	—
MIN	2.78	2.79	—	—	—	—	8.42	8.01	8.20	7.58	6.75	—

g Elevation interpolated.

NOTE.--Add 5,020 ft to obtain elevation above mean sea level, at 2400 hours.

10348900 Galena Creek near Steamboat, Nev.

LOCATION.--Lat 39°21'45", long 119°49'30", in SW¼SW¼ sec.2, T.17 N., R.19 E., Washoe County, on right bank 1 mi (2 km) upstream from Jones Creek, 3.5 mi (5.6 km) upstream from mouth, 4.5 mi (7.2 km) west-southwest of Steamboat, and 12 mi (19 km) south of Reno.

DRAINAGE AREA.—8.5 mi² (22.0 km²), approximately.

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,592.0 ft (1,704.44 m) above mean sea level, datum of 1929, supplementary adjustment of 1956. Prior to Oct. 8, 1965, at same site at datum 3.00 ft (0.914 m) higher.

AVERAGE DISCHARGE.--13 years, 9.39 ft³/s (0.266 m³/s), 6,800 acre-ft/yr (8.38 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 87 ft³/s (2.46 m³/s) May 14, gage height, 3.06 ft (0.933 m); no flow Jan. 3.
Period of record: Maximum discharge, 3,670 ft³/s (104 m³/s) Aug. 15, 1965, gage height, not determined, from slope-area measurement of peak flow; no flow for parts of many days most years.

REMARKS.--Records good except those for winter periods or period of no gage-height record, which are poor. Two small diversions above station, one for irrigation and one diverts to Little Washoe Lake during winter months.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	5.7	.50	.70	.90	2.7	3.1	13	28	30	15	7.0
2	5.4	5.8	.40	.80	.80	2.3	2.9	15	32	29	15	7.0
3	5.4	4.5	.30	0	.60	2.0	2.9	15	30	28	15	7.0
4	5.1	3.0	.40	.60	.70	1.2	3.1	15	29	27	15	6.6
5	4.8	2.2	.40	.50	.80	1.3	2.9	15	31	25	17	6.6
6	4.8	2.1	.40	.60	.70	1.3	2.9	14	40	25	14	6.6
7	5.1	1.6	.40	.70	.50	1.3	2.9	22	44	25	12	6.6
8	5.1	1.2	.30	.70	.50	1.2	2.9	31	40	28	12	6.6
9	5.1	.80	.30	.60	.50	1.2	2.9	36	36	34	12	6.6
10	4.8	.60	.30	.50	.60	1.2	3.3	36	36	22	10	6.6
11	5.1	5.0	.30	.80	.70	1.2	3.1	34	42	18	10	6.6
12	5.1	9.0	.20	1.5	.70	1.2	3.1	34	44	21	9.6	6.6
13	5.0	.60	.50	2.0	.80	1.2	3.6	30	40	19	9.6	6.6
14	5.0	6.2	.50	2.5	.80	1.3	3.3	53	39	20	9.6	6.6
15	5.0	2.7	.50	3.3	.80	1.3	3.1	38	40	21	9.6	6.6
16	4.9	1.5	.40	7.5	.90	1.2	5.1	34	39	19	9.0	6.6
17	4.8	1.5	.60	6.6	.70	1.2	8.5	31	39	18	8.5	6.6
18	4.7	1.4	.60	6.2	.70	1.2	8.5	26	37	17	8.3	6.6
19	4.8	1.4	.90	2.4	.80	1.1	8.0	21	35	15	8.3	6.2
20	5.0	1.4	2.0	2.0	.80	1.0	7.5	19	33	15	8.3	6.6
21	5.0	1.6	1.6	1.5	.80	.90	8.0	19	33	14	8.0	6.6
22	7.0	1.8	1.6	1.0	.90	.90	9.6	27	34	15	8.0	6.6
23	5.4	1.4	1.1	1.1	1.0	1.0	9.6	34	34	15	8.0	6.6
24	4.2	.70	.70	1.1	1.2	1.1	8.5	42	32	15	8.0	6.6
25	4.0	.70	.70	1.2	1.4	1.1	8.0	42	31	15	8.0	6.6
26	4.5	.50	2.0	1.2	1.5	1.2	7.5	30	30	16	8.0	6.6
27	4.4	.60	2.0	1.2	2.0	1.2	7.5	27	32	15	7.5	6.6
28	5.0	.50	2.1	1.4	.90	1.4	8.0	25	34	15	7.5	6.6
29	5.2	.50	1.6	1.5	------	1.3	8.5	24	29	15	7.5	6.6
30	5.4	.60	2.0	1.6	------	1.5	11	24	29	14	7.5	6.6
31	5.6	------	.70	.90	------	1.8	------	26	------	15	7.0	------
TOTAL	156.1	67.10	26.30	54.20	24.00	41.00	169.8	852	1,052	620	312.8	198.8
MEAN	5.04	2.24	.85	1.75	.86	1.32	5.66	27.5	35.1	20.0	10.1	6.63
MAX	7.0	9.0	2.1	7.5	2.0	2.7	11	53	44	34	17	7.0
MIN	4.0	.50	.20	0	.50	.90	2.9	13	28	14	7.0	6.2
AC-FT	310	133	52	108	48	81	337	1,690	2,090	1,230	620	394

CAL YR 1973 TOTAL 2,766.85 MEAN 7.58 MAX 53 MIN .20 AC-FT 5,490
WTR YR 1974 TOTAL 3,574.10 MEAN 9.79 MAX 53 MIN 0 AC-FT 7,090

PEAK DISCHARGE (BASE, 20 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
5-14	1930	3.06	87	6-06	2000	2.92	55
5-24	1800	2.97	65	7-09	0600	3.02	73

NOTE.--No gage-height record Oct. 12 to Nov. 12.

10349300 Steamboat Creek at Steamboat, Nev.

LOCATION.--Lat 39°22'40", long 119°44'33", in S½ sec.33, T.18 N., R.20 E., Washoe County, on left bank 250 ft (76.2 m) upstream from Steamboat ditch, 0.2 mi (0.3 km) southwest of Steamboat Post Office, and 11 mi (18 km) southeast of Reno.

DRAINAGE AREA.--123 mi^2 (319 km^2).

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 4,600 ft (1,402 m), from topographic map.

AVERAGE DISCHARGE.--13 years, 15.3 ft^3/s (0.433 m^3/s), 11,080 acre-ft/yr (13.7 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 121 ft^3/s (3.43 m^3/s) Jan. 17, gage height, 2.44 ft (0.744 m); minimum, 1.3 ft^3/s (0.037 m^3/s) Oct. 2, 3.

Period of record: Maximum discharge, 1,000 ft^3/s (28.3 m^3/s) Jan. 31, 1963, gage height, 5.44 ft (1.658 m), from rating curve extended above 360 ft^3/s (10.2 m^3/s) by logarithmic plotting; minimum daily, 0.50 ft^3/s (0.014 m^3/s) Aug. 21, 28, 31, 1964.

REMARKS.--Records excellent. Many diversions for irrigation above station. Flow partly regulated by Washoe Lake.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	9.8	14	5.7	5.6	20	9.2	12	35	17	12	11
2	1.4	9.6	5.7	4.2	5.7	18	6.4	12	33	18	12	12
3	1.6	9.1	5.4	4.2	6.0	10	7.9	9.2	34	18	13	12
4	2.5	5.1	5.1	4.2	5.7	8.5	7.5	8.3	35	17	16	8.8
5	2.4	5.1	5.4	4.2	5.1	10	7.9	8.2	37	16	20	11
6	1.7	5.5	5.2	4.3	4.8	9.4	8.6	8.5	35	16	17	11
7	2.1	4.9	4.9	4.4	5.0	8.0	7.0	9.1	35	15	17	10
8	3.4	4.5	4.7	4.5	5.1	7.4	6.8	16	33	18	17	8.6
9	3.9	4.4	4.6	5.0	5.1	6.9	7.2	21	29	41	15	9.8
10	3.5	4.5	4.6	4.5	5.0	6.5	7.2	26	31	31	13	10
11	3.3	18	5.3	5.0	4.9	6.1	6.9	24	31	21	13	10
12	2.6	38	4.7	6.9	4.9	6.1	7.0	27	31	19	13	11
13	3.0	13	8.3	16	4.7	5.6	6.8	25	32	17	11	11
14	2.8	15	5.7	14	4.9	5.6	5.8	23	37	14	10	11
15	2.6	9.9	5.4	28	4.7	5.6	5.4	22	37	12	10	9.2
16	2.5	10	5.5	9.5	4.6	5.6	4.9	20	36	10	8.3	8.7
17	2.6	12	6.9	44	4.5	5.3	6.0	17	34	13	8.3	9.0
18	2.7	9.0	5.7	30	4.7	6.0	6.4	17	30	13	9.1	8.2
19	2.8	6.0	5.1	20	5.7	5.6	6.2	17	29	13	9.1	8.3
20	2.7	5.5	5.2	13	5.1	5.0	5.1	17	27	14	7.4	9.6
21	3.7	5.3	9.7	11	5.0	4.7	5.6	15	25	15	8.2	11
22	4.7	5.0	8.0	9.4	4.6	4.5	8.0	16	22	14	6.9	11
23	13	5.0	6.5	9.4	4.7	4.4	8.0	20	21	12	8.1	10
24	7.1	5.2	6.0	8.6	5.4	4.3	8.0	22	23	12	8.5	11
25	6.6	5.0	5.9	7.9	5.3	4.5	7.6	22	23	11	8.5	10
26	7.5	4.6	5.9	7.6	6.6	4.5	7.2	26	22	11	9.1	9.5
27	7.3	4.5	6.8	7.2	5.9	4.4	7.5	30	19	10	11	9.6
28	8.5	4.5	5.3	7.3	5.8	5.7	7.6	32	18	11	11	8.0
29	8.4	4.2	8.2	7.0	------	5.5	7.5	32	18	12	12	7.0
30	8.6	3.9	6.2	6.7	------	13	8.8	32	18	11	12	5.8
31	9.4	------	6.0	6.0	------	7.1	------	34	------	13	9.8	------
TOTAL	137.1	246.1	191.9	319.7	145.3	223.8	214.0	620.4	870	485	358.3	293.1
MEAN	4.42	8.20	6.19	10.3	5.19	7.22	7.13	20.0	29.0	15.6	11.6	9.77
MAX	13	38	14	44	6.6	20	9.2	34	37	41	20	12
MIN	1.4	3.9	4.6	4.2	4.5	4.3	4.9	8.2	18	10	7.4	5.8
AC-FT	272	488	381	634	288	444	424	1,230	1,730	962	711	581

CAL YR 1973 TOTAL 3,047.09 MEAN 8.35 MAX 53 MIN .99 AC-FT 6,040
WTR YR 1974 TOTAL 4,104.70 MEAN 11.2 MAX 44 MIN 1.4 AC-FT 8,140

10350000 Truckee River at Vista, Nev.

LOCATION.--Lat 39°31'05", long 119°40'58", in NW¼NE¼ sec.13, T.19 N., R.20 E., Washoe County, on left bank 800 ft (244 m) downstream from Southern Pacific Railroad bridge, 0.9 mi (1.4 km) southeast of Vista, 1.5 mi (2.4 km) downstream from Steamboat Creek, and 4 mi (6 km) southeast of Sparks.

DRAINAGE AREA.--1,429 mi² (3,701 km²).

PERIOD OF RECORD.--August 1899 to December 1907, January 1932 to December 1954, October 1958 to current year. Monthly discharge only for some periods, published in WSP 1314 and 1734.

GAGE.--Water-stage recorder. Datum of gage is 4,368.59 ft (1,331.546 m) above mean sea level, datum of 1929, supplementary adjustment of 1956. Prior to Apr. 16, 1907, nonrecording gages at several sites in vicinity of present site at various datums. May to December 1907 reference point on railroad bridge. January 1932 to December 1954, October 1958 to Aug. 17, 1959, water-stage recorder at site 1,200 ft (366 m) upstream at datum 5.59 ft (1.704 m) higher.

AVERAGE DISCHARGE.--46 years, 808 ft³/s (22.88 m³/s), 585,400 acre-ft/yr (722 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 4,000 ft³/s (113 m³/s) Jan. 17, gage height, 8.50 ft (2.591 m); minimum, 362 ft³/s (10.3 m³/s) Sept. 29.

Period of record: Maximum discharge, 21,300 ft³/s (603 m³/s) Feb. 1, 1963, gage height, 16.76 ft (5.108 m) from rating curve extended above 5,000 ft³/s (142 m³/s) on basis of slope-area measurement of peak flow; minimum daily, 7 ft³/s (0.20 m³/s) Aug. 26, 1935.

Maximum gage height known, 17.04 ft (5.194 m), from floodmarks, December 1955, at site and datum used 1958-59, discharge about 15,000 ft³/s (425 m³/s).

REMARKS.--Records good. Flow regulated by Lake Tahoe, Stampede, Boca, and Prosser Creek Reservoirs, and other lakes, combined capacity 1,070,000 acre-ft (1.32 km³). Several powerplants and many diversions above station.

REVISIONS (WATER YEARS).--WSP 1634: 1904. WSP 1714: Drainage area. WSP 1734: (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	486	573	750	700	830	1,350	2,700	1,990	2,210	945	731	432
2	482	573	568	602	799	1,500	3,000	1,910	2,240	949	763	453
3	564	568	546	642	785	1,250	3,250	1,920	2,300	898	710	487
4	573	559	518	700	776	1,100	2,800	1,910	2,340	854	708	537
5	559	526	502	713	758	1,150	2,360	1,950	2,130	853	757	532
6	591	618	502	704	731	1,180	2,150	2,010	1,690	814	675	513
7	591	699	498	682	727	1,280	2,330	2,080	1,700	762	601	512
8	609	845	494	534	722	1,290	2,280	2,310	1,460	808	591	510
9	591	636	482	482	709	1,350	2,220	2,340	1,370	1,460	579	516
10	577	649	474	598	704	1,330	2,000	2,320	1,390	1,990	537	491
11	530	1,580	482	610	700	1,270	1,870	2,380	1,610	1,790	490	478
12	514	2,810	490	622	691	1,260	1,940	2,360	1,580	1,630	482	515
13	490	2,060	518	740	682	1,280	1,910	2,310	1,800	1,540	542	516
14	470	1,630	498	618	682	1,430	1,920	2,100	1,910	1,470	612	532
15	462	1,100	478	1,380	668	1,500	1,960	2,120	1,790	1,420	568	527
16	510	810	470	1,850	615	1,530	1,980	2,240	1,450	1,130	557	525
17	502	765	498	3,380	610	1,500	1,920	1,940	1,270	1,110	603	509
18	494	904	573	2,720	620	1,450	1,860	2,060	965	1,070	614	494
19	502	699	510	3,520	630	1,450	1,790	1,940	1,180	1,040	623	529
20	502	591	498	2,690	620	1,480	1,740	1,820	1,010	921	654	453
21	486	573	518	2,220	750	1,500	1,720	1,670	781	881	661	458
22	494	530	555	1,930	830	1,510	1,780	1,710	1,170	876	621	454
23	645	510	506	1,800	880	1,540	1,940	1,620	965	899	616	425
24	530	546	482	1,600	900	1,590	1,900	1,650	817	800	614	414
25	514	546	470	1,400	900	1,610	1,820	1,600	650	694	611	405
26	506	546	470	1,200	900	1,900	1,790	1,760	606	665	607	434
27	518	546	506	1,100	900	1,850	1,730	2,040	618	715	605	438
28	510	550	514	1,050	1,150	1,900	1,700	2,240	905	703	590	419
29	526	498	755	1,000	------	2,000	1,670	2,110	875	746	472	387
30	555	486	1,280	910	------	2,400	1,680	2,500	915	869	457	384
31	586	------	830	855	------	2,400	------	2,450	------	790	426	------
TOTAL	16,469	24,526	17,235	39,552	21,269	47,130	61,710	63,360	41,697	32,092	18,677	14,279
MEAN	531	818	556	1,276	760	1,520	2,057	2,044	1,390	1,035	602	476
MAX	645	2,810	1,280	3,520	1,150	2,400	3,250	2,500	2,340	1,990	763	537
MIN	462	486	470	482	610	1,100	1,670	1,600	606	665	426	384
AC-FT	32,670	48,650	34,190	78,450	42,190	93,480	122,400	125,700	82,710	63,650	37,050	28,320

CAL YR 1973 TOTAL 260,256 MEAN 713 MAX 3,010 MIN 462 AC-FT 516,200
WTR YR 1974 TOTAL 397,996 MEAN 1,090 MAX 3,520 MIN 384 AC-FT 789,400

10350400 Truckee River below Tracy, Nev.

LOCATION.--Lat 39°33'52", long 119°31'02", in NW¼NE¼ sec.33, T.20 N., R.22 E., Washoe County, on left bank on upstream side of bridge, 200 ft (61 m) downstream from Tracy powerplant, and 13 mi (21 km) east of Sparks.

DRAINAGE AREA.--1,590 mi^2 (4,118 km^2).

PERIOD OF RECORD.--May 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,250 ft (1,295 m), from topographic map.

EXTREMES.--Maximum discharge, 3,570 ft^3/s (101 m^3/s) Jan. 17, gage height, 8.68 ft (2.650 m); minimum, 305 ft^3/s (8.64 m^3/s) Sept. 30. Period of record: Maximum discharge, 3,570 ft^3/s (101 m^3/s) Jan.17, 1974, gage height, 8.68 ft (2.650 m); minimum, 168 ft^3/s (4.76 m^3/s) July 13, 1972.

REMARKS.--Records good. Flow regulated by Lake Tahoe, Prosser Creek, Stampede and Boca Reservoirs, and other lakes, powerplants, and many diversions for irrigation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	533	614	707	670	866	1,240	2,850	1,910	2,100	943	700	427
2	516	590	614	530	824	1,500	3,100	1,840	2,150	959	739	449
3	578	602	555	520	810	1,350	3,300	1,840	2,110	902	700	472
4	590	590	538	660	780	1,100	2,710	1,830	2,210	882	700	523
5	596	510	527	688	770	1,150	2,380	1,870	2,060	860	752	533
6	626	614	516	681	760	1,220	2,180	1,930	1,610	839	671	512
7	620	675	527	669	740	1,260	2,310	2,000	1,660	797	592	529
8	638	890	516	555	730	1,240	2,260	2,180	1,510	777	581	538
9	632	688	505	483	720	1,320	2,170	2,230	1,440	1,330	606	490
10	620	662	488	555	710	1,330	1,990	2,190	1,350	1,890	546	483
11	572	1,320	499	578	700	1,300	1,830	2,260	1,590	1,740	484	480
12	567	2,400	510	602	690	1,250	1,900	2,240	1,570	1,600	476	498
13	544	1,950	521	688	680	1,250	1,870	2,170	1,730	1,530	517	505
14	527	1,660	527	638	680	1,280	1,890	2,060	1,880	1,450	595	538
15	494	1,180	505	1,140	660	1,350	1,920	2,010	1,780	1,360	566	554
16	538	912	494	1,750	630	1,460	1,940	2,130	1,520	1,140	557	512
17	550	817	505	3,110	620	1,520	1,910	1,850	1,280	1,080	591	507
18	527	966	578	2,470	620	1,450	1,810	1,960	982	1,050	613	508
19	544	752	533	3,230	620	1,460	1,760	1,860	1,170	1,010	621	526
20	544	644	510	2,430	640	1,480	1,700	1,760	1,060	920	642	464
21	533	620	522	2,140	700	1,510	1,690	1,610	784	882	672	465
22	499	572	572	1,890	780	1,520	1,710	1,640	1,160	868	631	488
23	644	538	527	1,820	850	1,560	1,830	1,520	1,020	882	625	422
24	572	550	499	1,480	870	1,570	1,820	1,560	846	797	625	407
25	521	578	494	1,390	890	1,600	1,750	1,550	694	707	635	407
26	522	561	483	1,180	890	1,930	1,720	1,660	644	662	619	427
27	544	567	510	1,090	890	1,950	1,660	1,910	626	713	611	481
28	567	567	533	1,050	1,000	1,990	1,630	2,070	905	752	600	427
29	538	544	632	982	------	2,070	1,620	1,990	897	700	526	361
30	572	510	1,260	966	------	2,450	1,590	2,330	935	832	450	374
31	614	------	853	885	------	2,460	------	2,350	------	758	424	------
TOTAL	17,482	24,643	17,560	37,520	21,120	47,120	60,800	60,310	41,273	31,612	18,667	14,307
MEAN	564	821	566	1,210	754	1,520	2,027	1,945	1,376	1,020	602	477
MAX	644	2,400	1,260	3,230	1,000	2,460	3,300	2,350	2,210	1,890	752	554
MIN	494	510	483	483	620	1,100	1,590	1,520	626	662	424	361
AC-FT	34,680	48,880	34,830	74,420	41,890	93,460	120,600	119,600	81,860	62,700	37,030	28,380

CAL YR 1973 TOTAL 255,105 MEAN 699 MAX 2,400 MIN 465 AC-FT 506,000
WTR YR 1974 TOTAL 392,414 MEAN 1,075 MAX 3,300 MIN 361 AC-FT 778,400

NOTE.--No gage-height record Feb. 4 to Mar. 6.

10351300 Truckee Canal near Wadsworth, Nev.

LOCATION.--Lat 39°36'25", long 119°18'35", in NW¼NE¼ sec.17, T.20 N., R.24 E., Storey County, on left bank at upstream end of Tunnel No. 3 and 2 mi (3 km) southwest of Wadsworth.

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,200 ft (1,280 m) from topographic map. Since Feb. 13, 1967, auxiliary water-stage recorder on left bank 0.3 mi (0.5 km) downstream from base gage.

AVERAGE DISCHARGE.--8 years, 181 ft^3/s (5.126 m^3/s), 202,900 acre-ft/yr (250 hm^3/yr).

EXTREMES.--Period of record: Maximum daily discharge, 955 ft^3/s (27.0 m^3/s) June 10, 1970; no flow at times during some years.

REMARKS.--Records fair except those for period Dec. 8 to Mar. 15, which are poor. Flow is regulated by Derby Dam (including two wasteways between gage and Derby Dam) and many reservoirs, powerplants, and diversions above Derby Dam.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	283	459	430	17	3.5	0	58	168	237	239	221	158
2	279	453	493	17	3.8	1.0	61	192	229	263	217	166
3	284	457	223	17	3.8	14	165	196	228	192	211	214
4	350	454	86	17	3.5	16	129	191	182	195	209	211
5	407	446	83	17	3.5	17	108	201	182	193	207	209
6	416	455	80	17	3.5	18	101	198	194	194	175	217
7	420	474	61	17	4.0	17	99	184	172	194	165	237
8	436	512	22	17	10	19	85	203	172	191	178	226
9	454	482	20	17	12	20	78	195	183	195	201	223
10	467	464	18	17	13	22	91	197	179	197	254	197
11	475	525	18	16	15	22	79	196	222	180	214	187
12	456	595	18	16	18	19	90	201	227	153	220	184
13	424	651	18	16	17	18	113	201	220	180	216	186
14	429	711	18	16	14	17	114	194	218	152	216	179
15	396	782	18	16	13	20	91	190	217	188	220	176
16	376	808	18	16	25	31	86	184	218	215	233	178
17	370	745	18	16	35	30	85	178	222	230	198	132
18	353	694	18	16	38	58	118	178	253	218	197	142
19	360	666	17	16	32	79	116	170	242	202	200	140
20	372	606	17	16	30	76	118	173	232	199	203	138
21	379	563	17	16	20	75	109	173	232	203	211	142
22	362	516	17	16	16	71	107	170	227	214	226	139
23	410	451	17	15	16	74	106	164	204	223	223	141
24	461	377	17	11	16	75	111	163	193	224	220	135
25	452	424	17	7.0	16	57	97	185	203	255	221	138
26	440	446	17	5.2	16	56	109	178	234	294	224	143
27	444	441	17	4.8	16	45	90	173	239	273	175	152
28	457	437	17	4.4	16	43	128	166	244	236	177	154
29	447	434	17	4.0	------	78	134	215	243	218	171	156
30	451	401	17	3.9	------	75	131	237	243	221	176	150
31	454	------	17	3.8	------	74	------	227	------	222	167	------
TOTAL	12,564	15,929	1,881	421.1	429.6	1,237.0	3,107	5,841	6,491	6,523	6,346	5,150
MEAN	405	531	60.7	13.6	15.3	39.9	104	188	216	210	205	172
MAX	475	808	493	17	38	79	134	237	253	294	254	237
MIN	279	377	17	3.8	3.5	0	58	163	172	150	165	132
AC-FT	24,920	31,600	3,730	835	852	2,450	6,160	11,590	12,870	12,940	12,590	10,220

CAL YR 1973 TOTAL 78,081.00 MEAN 214 MAX 808 MIN 0 AC-FT 154,900
WTR YR 1974 TOTAL 65,919.70 MEAN 181 MAX 808 MIN 0 AC-FT 130,800

10351350 Fernley A Drain near Fernley, Nev.

LOCATION.--Lat 39°36'00", long 119°12'10", in SW¼NW¼ sec.17, T.20 N., R.25 E., Lyon County, on right bank 2.6 mi (4.2 km) east of Fernley.

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,110 ft (1,253 m),from topographic map. Aug. 13, 1971 to Feb. 20, 1973, water-stage recorder at present site at datum 0.89 ft (0.271 m) higher. Prior to Aug. 13, 1971, water-stage recorder at site 60 ft (18 m) upstream at datum 3.53 ft (1.076 m) higher.

AVERAGE DISCHARGE.--6 years, 6.19 ft^3/s (0.175 m^3/s), 4,700 acre-ft/yr (5.80 hm^3/yr).

EXTREMES.--Period of record: Maximum daily discharge, about 60 ft^3/s (1.70 m^3/s) July 21, 1971; minimum daily, 0.40 ft^3/s (0.011 m^3/s) Mar. 30, 1974.

REMARKS.--Records poor. Flow in canal is return flow from lands irrigated by Truckee Canal and discharges to Fernley State Wildlife Management Area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	2.9	1.9	1.6	1.1	.96	.54	4.9	20	9.4	16	19
2	6.0	2.8	1.8	1.5	1.0	1.0	.54	7.0	12	17	14	14
3	6.8	2.8	1.8	1.3	1.0	.94	.60	6.7	8.3	15	13	12
4	7.9	2.7	1.8	1.4	1.0	.93	.51	7.0	10	16	8.6	15
5	11	2.7	1.7	1.3	1.0	.92	.93	7.8	5.7	13	6.8	19
6	14	2.7	1.7	1.3	1.0	.95	4.0	6.2	5.2	16	5.1	23
7	10	2.7	1.7	1.4	1.0	.91	5.6	3.6	7.7	18	5.1	22
8	7.9	2.7	1.7	1.4	1.0	.88	2.8	2.9	7.4	11	13	20
9	5.8	2.6	1.6	1.4	1.0	.86	3.2	3.0	11	9.0	24	19
10	5.6	2.6	1.6	1.4	1.0	.88	7.9	5.2	11	9.1	20	19
11	5.5	2.6	1.6	1.2	1.0	.84	6.6	4.5	18	7.2	21	7.2
12	5.4	2.6	1.6	1.3	1.0	.87	3.5	4.1	20	6.6	9.0	6.4
13	5.8	3.4	1.6	1.3	1.0	.88	6.3	4.2	24	7.9	16	5.2
14	9.1	2.7	1.6	1.3	1.0	.86	6.6	6.2	20	9.2	16	5.5
15	13	2.5	1.5	1.4	.96	.88	8.5	9.5	17	6.2	14	6.4
16	14	2.5	1.5	1.3	.98	.84	3.9	11	15	12	14	6.7
17	16	2.5	1.5	1.4	.95	.82	5.3	10	11	13	14	5.0
18	13	2.5	1.5	1.4	.92	.78	12	9.6	14	12	16	4.0
19	6.7	2.4	1.5	1.3	.93	.77	11	9.1	11	10	7.9	3.8
20	5.6	2.4	1.5	1.3	.91	1.4	13	9.5	15	13	7.4	4.3
21	5.8	2.3	1.5	1.2	.88	2.1	5.9	6.5	5.0	17	8.3	7.6
22	4.6	2.3	1.5	1.2	.91	.73	4.4	9.6	5.0	14	9.5	7.8
23	4.1	2.3	1.5	1.2	.92	.64	2.7	7.3	7.4	16	12	5.9
24	3.9	2.2	1.5	1.2	.93	1.2	3.5	8.4	5.7	16	11	4.4
25	3.7	2.2	1.5	1.2	.91	1.3	3.0	6.3	6.6	23	11	4.2
26	3.5	2.0	1.5	1.2	.89	.95	2.5	6.3	12	25	9.2	5.3
27	3.4	2.0	1.5	1.2	.89	1.2	3.8	4.7	5.4	27	12	10
28	3.3	2.0	1.5	1.2	.84	.60	3.6	3.2	4.9	16	14	11
29	3.2	1.9	1.5	1.1	------	.44	5.1	9.7	4.8	13	13	11
30	3.1	1.9	1.5	1.1	------	.40	5.0	12	5.4	12	16	9.4
31	3.0	------	1.6	1.1	------	1.2	------	14	------	13	18	------
TOTAL	221.7	74.4	49.3	40.1	26.92	28.93	142.82	220.0	325.5	422.6	394.9	312.3
MEAN	7.15	2.48	1.59	1.29	.96	.93	4.76	7.10	10.9	13.6	12.7	10.4
MAX	16	3.4	1.9	1.6	1.1	2.1	13	14	24	27	24	23
MIN	3.0	1.9	1.5	1.1	.84	.40	.51	2.9	4.8	6.2	5.1	3.8
AC-FT	440	148	98	80	53	57	283	436	646	838	783	619

CAL YR 1973 TOTAL 1,919.10 MEAN 5.26 MAX 31 MIN .46 AC-FT 3,810
WTR YR 1974 TOTAL 2,259.47 MEAN 6.19 MAX 27 MIN .40 AC-FT 4,480

10351400 Truckee Canal near Hazen, Nev.

LOCATION.--Lat 39°32'15", long 119°04'15", in NE¼SW¼ sec.4, T.19 N., R.26 E., Churchill County, on left bank 0.1 mi (0.2 km) downstream from Hazen check dam and 2.3 mi (3.7 km) southwest of Hazen.

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,172.10 ft (1,271.656 m) above mean sea level (Bureau of Reclamation datum). Since Mar. 17, 1972, auxiliary water-stage recorder 20 ft (6 m) upstream from KX lateral diversion canal. Oct. 1, 1967, to Mar. 17, 1972, auxiliary water-stage recorder on right bank approximately 6 mi (10 km) downstream from base gage.

AVERAGE DISCHARGE.--8 years, 203 ft³/s (5.749 m³/s), 147,100 acre-ft/yr (181 hm³/yr).

EXTREMES.--Period of record: Maximum daily discharge, 916 ft³/s (25.9 m³/s) Feb. 3, 1967; no flow at times.

REMARKS.--Records fair above 50 ft³/s (1.42 m³/s) and poor below. Flow regulated by Derby Dam, diversions, and wasteways between Derby Dam and station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186	425	393	4.0	4.0	12	60	26	59	100	84	34
2	186	420	482	6.7	4.9	11	43	37	128	50	110	32
3	187	420	324	6.7	5.4	4.9	162	54	142	47	115	80
4	273	415	.09	6.2	4.0	8.0	166	20	80	39	91	36
5	325	410	26	5.4	4.0	9.4	31	42	51	62	89	10
6	355	404	48	4.9	4.4	11	44	51	76	32	94	16
7	367	438	36	5.4	4.9	12	66	5.2	90	31	47	55
8	386	463	18	4.9	4.4	11	77	48	65	48	14	41
9	411	466	11	4.9	4.4	12	56	79	78	46	16	80
10	416	440	9.0	4.9	5.4	13	47	65	81	110	77	113
11	435	447	10	4.9	11	13	32	86	118	94	73	127
12	423	599	7.2	4.9	13	14	18	87	127	80	53	118
13	374	598	7.6	4.9	9.0	12	26	121	110	63	39	115
14	352	617	6.2	4.9	8.0	12	34	98	121	34	68	96
15	348	678	6.7	4.9	8.0	11	48	80	155	32	38	73
16	321	738	8.0	11	13	12	41	95	162	53	80	98
17	320	717	9.4	8.0	22	13	49	105	165	75	94	76
18	312	659	7.6	14	25	11	46	73	141	75	76	66
19	313	662	8.0	12	23	45	48	52	117	78	51	62
20	316	614	7.6	7.6	19	55	34	92	109	57	48	48
21	326	574	7.2	7.2	17	59	37	82	94	57	68	32
22	343	544	6.2	8.0	7.2	59	74	67	59	81	79	38
23	356	491	5.8	6.2	6.7	61	64	48	66	39	93	41
24	417	391	6.2	5.4	8.0	58	88	36	27	38	98	30
25	418	409	5.8	.70	9.0	64	93	58	46	58	86	30
26	409	436	6.2	1.0	12	47	49	41	60	69	116	24
27	407	437	6.2	4.0	9.4	44	49	83	105	91	76	18
28	410	432	4.9	4.9	11	33	49	35	84	54	53	42
29	416	427	5.4	5.4	------	42	59	34	70	44	30	75
30	415	416	4.4	5.2	------	70	29	78	75	44	24	77
31	415	------	4.4	4.8	------	66	------	69	------	54	23	------
TOTAL	10,938	15,187	1,488.09	183.90	277.1	905.3	1,711	1,947.2	2,861	1,835	2,103	1,783
MEAN	353	506	48.0	5.93	9.90	29.2	57.0	62.8	95.4	59.2	67.8	59.4
MAX	435	738	482	14	25	70	166	121	165	110	116	127
MIN	186	391	.09	.70	4.0	4.9	18	5.2	27	31	14	10
AC-FT	21,700	30,120	2,950	365	550	1,800	3,390	3,860	5,670	3,640	4,170	3,540

CAL YR 1973 TOTAL 51,702.69 MEAN 142 MAX 738 MIN 0 AC-FT 102,600
WTR YR 1974 TOTAL 41,219.59 MEAN 113 MAX 738 MIN .09 AC-FT 81,760

10351600 Truckee River below Derby Dam, near Wadsworth, Nev.

LOCATION.--Lat 39°35'05", long 119°26'25", in NW¼SE¼ sec.19, T.20 N., R.23 E., S[illegible]ey County, on right bank 1,500 ft (457 m) downstream from Derby Dam, 3.2 mi (5.1 km) downstream from Clark, and 9 mi (14 k[illegible]outhwest of Wadsworth.

DRAINAGE AREA.--1,670 mi^2 (4,325 km^2).

PERIOD OF RECORD.--January 1909 to December 1910, January to December 1916, January 1918 to July 1958, October 1958 to current year. Monthly discharge only for some periods, published in WSP 1734.

GAGE.--Water-stage recorder. Altitude of gage is 4,200 ft (1,280 m), from topographic map.

AVERAGE DISCHARGE.--55 years (1918-57, 1958-74), 330 ft^3/s (9.346 m^3/s), 239,100 acre-ft/yr (295 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 3,770 ft^3/s (107 m^3/s) Jan. 17, gage height, 7.66 ft (2.335 m); minimum, 33 ft^3/s (0.935 m^3/s) Nov. 5.

Period of record: Maximum discharge, 18,400 ft^3/s (521 m^3/s) Feb. 1, 1963, gage height, 14.26 ft (4.346 m), from rating curve extended above 1,500 ft^3/s (42.5 m^3/s) on basis of slope-area measurement of peak flow; no flow Aug. 8-11, 1924, Sept. 1-7,10, 1956.

REMARKS.--Records good. Flow regulated by Lake Tahoe, Prosser Creek, Stampede and Boca Reservoirs, other lakes, powerplants, many diversions for irrigation, and by Derby Dam. Truckee Canal diverts water at Derby Dam out of basin to Lahontan Reservoir.

REVISIONS.--WSP 1714: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	246	143	229	705	863	1,100	2,660	1,680	1,930	736	483	273
2	222	120	165	539	835	1,690	2,840	1,690	2,020	725	526	283
3	261	128	359	510	819	1,300	3,050	1,680	1,990	758	487	263
4	229	120	451	560	802	1,090	2,540	1,670	2,150	705	476	299
5	174	77	445	620	791	1,090	2,140	1,700	2,030	690	510	328
6	193	126	438	600	764	1,170	1,940	1,780	1,500	675	514	288
7	191	184	518	570	736	1,180	2,040	1,830	1,540	615	421	291
8	186	342	476	548	660	1,180	2,050	2,000	1,390	590	399	301
9	169	208	466	455	625	1,240	1,990	2,090	1,280	1,150	365	268
10	139	165	448	510	625	1,250	1,810	2,030	1,160	1,760	304	268
11	99	526	459	548	610	1,230	1,650	2,140	1,360	1,640	268	301
12	101	1,900	466	575	590	1,170	1,720	2,110	1,370	1,500	256	312
13	104	1,400	476	650	590	1,160	1,690	2,040	1,490	1,420	281	323
14	88	1,000	487	645	585	1,180	1,690	1,990	1,680	1,350	359	359
15	76	500	466	984	635	1,240	1,730	1,890	1,600	1,220	331	377
16	130	165	455	1,690	557	1,350	1,740	2,050	1,340	978	323	342
17	159	122	455	2,870	571	1,400	1,720	1,800	1,090	896	371	334
18	161	296	535	2,500	548	1,360	1,620	1,870	731	896	395	337
19	159	143	502	3,450	575	1,370	1,600	1,800	967	863	408	348
20	147	79	473	2,600	566	1,370	1,550	1,700	890	764	418	301
21	145	69	476	2,300	595	1,400	1,530	1,520	562	695	438	294
22	124	68	539	1,900	715	1,420	1,550	1,550	934	670	392	315
23	199	99	494	1,700	775	1,450	1,670	1,430	874	670	380	263
24	126	151	466	1,500	852	1,470	1,680	1,450	695	595	380	243
25	70	151	459	1,300	857	1,490	1,620	1,430	494	445	389	241
26	74	113	452	1,200	857	1,810	1,580	1,550	402	374	380	243
27	73	120	466	1,100	879	1,850	1,530	1,800	380	441	418	283
28	89	130	490	1,070	841	1,810	1,480	1,980	645	498	405	251
29	61	111	539	984	------	1,810	1,470	1,860	675	490	337	186
30	92	101	1,210	962	------	2,200	1,400	2,150	710	615	286	186
31	126	------	874	890	------	2,250	------	2,230	------	544	256	------
TOTAL	4,413	8,857	15,234	37,035	19,718	44,080	55,280	56,490	35,879	25,968	11,956	8,701
MEAN	142	295	491	1,195	704	1,422	1,843	1,822	1,196	838	386	290
MAX	261	1,900	1,210	3,450	879	2,250	3,050	2,230	2,150	1,760	526	377
MIN	61	68	165	455	548	1,090	1,400	1,430	380	374	256	186
AC-FT	8,750	17,570	30,220	73,460	39,110	87,430	109,600	112,000	71,170	51,510	23,710	17,260

CAL YR 1973 TOTAL 172,978 MEAN 474 MAX 1,900 MIN 28 AC-FT 343,100

WTR YR 1974 TOTAL 323,611 MEAN 887 MAX 3,450 MIN 61 AC-FT 641,900

10351650 Truckee River at Wadsworth, Nev.

LOCATION.--Lat 39°38'19", long 119°16'09", in SW¼SW¼ sec.34, T.21 N., R.24 E., Washoe County, on right bank 0.5 mi (0.8 km) downstream from U.S. Highway 40 bridge and 0.2 mi (0.3 km) northeast of Wadsworth.

DRAINAGE AREA.--1,719 mi^2 (4,452 km^2).

PERIOD OF RECORD.--May 1965 to current year.

GAGE.--Water-stage recorder with thermograph attachment. Datum of gage is 4,037.90 ft (1,230.752 m) above mean sea level, datum of 1929, supplementary adjustment of 1956.

AVERAGE DISCHARGE.--9 years, 657 ft^3/s (18.61 m^3/s), 476,000 acre-ft/yr (587 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 4,270 ft^3/s (121 m^3/s) Jan. 17, gage height, 9.49 ft (2.893 m); minimum, 66 ft^3/s (1.87 m^3/s) Nov. 6.

Period of record: Maximum discharge, 7,790 ft^3/s (220 m^3/s) Jan. 24, 1970, gage height, 11.65 ft (3.551 m); maximum gage height, 11.90 ft (3.627 m), May 22, 1967; minimum discharge, 3.3 ft^3/s (0.094 m^3/s) July 14, 1968.

REMARKS.--Records good. Flow regulated by Lake Tahoe, Prosser Creek, Stampede and Boca Reservoirs, other lakes, powerplants, many diversions for irrigation above and below station, and by Derby Dam which diverts water out of the basin to Lahontan Reservoir. Records of water temperature for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	261	167	201	813	884	1,090	3,240	1,870	2,030	736	531	261
2	230	152	204	625	854	1,870	3,500	1,800	2,070	724	562	278
3	239	152	305	557	836	1,450	3,570	1,790	2,030	760	539	236
4	248	138	477	660	813	1,200	3,080	1,760	2,190	742	522	268
5	180	120	459	700	801	1,180	2,510	1,790	2,130	730	548	322
6	195	124	455	700	778	1,250	2,250	1,870	1,530	724	553	284
7	198	190	544	670	755	1,270	2,340	1,940	1,530	650	459	264
8	207	359	531	635	699	1,250	2,390	2,110	1,390	630	397	281
9	193	252	508	522	689	1,310	2,320	2,270	1,270	1,070	359	264
10	167	185	490	562	699	1,330	2,110	2,180	1,160	1,920	329	252
11	138	442	513	621	716	1,320	1,880	2,290	1,330	1,780	271	294
12	116	2,160	535	640	699	1,270	1,950	2,270	1,390	1,630	248	305
13	133	1,620	553	699	689	1,260	1,890	2,160	1,510	1,520	255	326
14	112	1,110	589	761	683	1,280	1,880	2,150	1,760	1,430	347	355
15	101	522	553	958	694	1,330	1,930	1,990	1,670	1,270	344	381
16	129	198	539	2,010	640	1,450	1,960	2,150	1,410	1,030	315	355
17	164	124	535	3,280	640	1,520	1,930	1,940	1,120	892	359	393
18	167	301	625	2,770	625	1,450	1,780	1,920	784	892	393	389
19	180	175	607	3,710	640	1,440	1,720	1,870	908	868	405	397
20	172	116	562	3,000	667	1,450	1,680	1,790	884	790	417	359
21	167	90	566	2,480	672	1,490	1,660	1,560	607	708	451	333
22	138	99	646	2,050	795	1,490	1,680	1,590	854	697	409	355
23	198	97	589	1,970	866	1,540	1,830	1,490	872	680	389	315
24	180	159	557	1,580	933	1,560	1,840	1,490	721	620	393	274
25	110	167	539	1,460	933	1,590	1,770	1,460	539	486	409	271
26	105	127	535	1,260	939	1,940	1,720	1,570	429	377	385	268
27	101	131	553	1,140	958	2,040	1,660	1,830	378	429	425	301
28	116	138	584	1,100	933	2,100	1,600	2,070	584	499	421	291
29	101	133	630	1,030	------	2,150	1,590	1,980	672	540	347	224
30	116	114	1,390	996	------	2,660	1,520	2,200	699	607	315	224
31	145	------	1,020	927	------	2,780	------	2,370	------	580	255	------
TOTAL	5,007	9,862	17,394	40,886	21,530	48,310	62,780	59,520	36,451	27,011	12,352	9,120
MEAN	162	329	561	1,319	769	1,558	2,093	1,920	1,215	871	398	304
MAX	261	2,160	1,390	3,710	958	2,780	3,570	2,370	2,190	1,920	562	397
MIN	101	90	201	522	625	1,090	1,520	1,460	378	377	248	224
AC-FT	9,930	19,560	34,500	81,100	42,700	95,820	124,500	118,100	72,300	53,580	24,500	18,090

CAL YR 1973 TOTAL 180,964 MEAN 496 MAX 2,160 MIN 47 AC-FT 358,900
WTR YR 1974 TOTAL 350,223 MEAN 960 MAX 3,710 MIN 90 AC-FT 694,700

10351700 Truckee River near Nixon, Nev.

LOCATION.--Lat 39°46'40", long 119°20'10", in SW¼NW¼ sec.18, T.22 N., R.24 E., Washoe County, on right bank 1.0 mi (1.6 km) upstream from Pyramid Indian Reservation diversion dam, 4 mi (6 km) south of Nixon, and 13 mi (21 km) upstream from mouth.

DRAINAGE AREA.--1,815 mi^2 (4,701 km^2).

PERIOD OF RECORD.--October 1957 to current year. Records kept by Federal Court Watermaster April to June 1926, May 1928 to current year at site 1.0 mi (1.6 km) downstream (Truckee River below Pyramid Dam, near Nixon, Nev.) not equivalent, but would be equivalent by adding flow of Indian Canal, both of which are available in files of Federal Court Watermaster. Currently, these records are kept only at times of diversion to the canal. At other times, the records are equivalent.

GAGE.--Water-stage recorder. Altitude of gage is 3,940 ft (1,201 m), from topographic map.

AVERAGE DISCHARGE.--17 years, 463 ft^3/s (13.11 m^3/s), 335,400 acre-ft/yr (414 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 3,710 ft^3/s (105 m^3/s) Jan. 17, gage height, 7.39 ft (2.252 m); maximum gage height, 8.56 ft (2.609 m), Jan. 4 (backwater from ice jam); minimum discharge, 88 ft^3/s (2.49 m^3/s) Nov. 6.

Period of record: Maximum discharge, 14,400 ft^3/s (408 m^3/s) Feb. 2, 1963, gage height, 14.39 ft (4.386 m); minimum daily, 8.1 ft^3/s (0.23 m^3/s) July 7, 1960.

Flood of Dec. 24, 1955, reached a stage of 14.1 ft (4.298 m), from floodmarks, discharge, 14,000 ft^3/s (396 m^3/s), by flow-over-dam measurement of peak flow.

REMARKS.--Records good except those above 1,000 ft^3/s (28.3 m^3/s), which are fair. Flow regulated by Lake Tahoe, Prosser Creek, Stampede and Boca Reservoirs, other lakes, powerplants, and many diversions for irrigation. Truckee Canal often diverts much of the flow at Derby Dam, about 25 mi (40 km) upstream, out of basin to Lahontan Reservoir. Several diversions for irrigation between station and Truckee Canal. One irrigation canal diverts between station and mouth of river. Water-quality records for the current year are published in Part 2 of this report.

REVISIONS.--WSP 2127: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	265	169	168	832	930	1,040	2,910	1,740	2,100	709	549	280
2	236	171	278	690	904	1,730	3,250	1,770	2,100	751	552	304
3	230	162	242	600	878	1,490	3,300	1,730	2,090	759	541	276
4	269	157	485	660	858	1,260	3,080	1,700	2,240	761	512	273
5	194	145	470	680	798	1,200	2,490	1,730	2,160	737	532	337
6	194	104	460	680	816	1,260	2,250	1,790	1,680	737	567	318
7	200	150	539	670	789	1,280	2,250	1,860	1,550	655	486	283
8	214	300	544	640	757	1,280	2,320	1,990	1,470	656	409	299
9	200	280	511	572	721	1,310	2,260	2,180	1,320	865	375	299
10	186	230	500	566	733	1,350	2,100	2,120	1,240	1,740	385	285
11	159	350	500	652	753	1,340	1,870	2,180	1,300	1,680	300	295
12	130	1,400	511	676	751	1,290	1,900	2,220	1,410	1,570	275	319
13	138	1,740	511	690	729	1,270	1,860	2,120	1,470	1,460	259	351
14	126	1,190	544	787	725	1,280	1,830	2,100	1,700	1,380	329	367
15	118	671	516	716	732	1,310	1,880	1,950	1,670	1,270	360	390
16	120	283	506	1,740	693	1,410	1,900	2,070	1,470	1,070	319	389
17	162	176	495	2,430	680	1,480	1,880	1,960	1,160	904	353	409
18	169	299	560	2,850	666	1,450	1,760	1,870	904	904	396	404
19	183	242	566	3,300	672	1,410	1,720	1,880	872	891	407	413
20	174	156	528	3,240	719	1,410	1,660	1,790	930	833	413	394
21	171	112	522	2,510	697	1,460	1,630	1,580	696	735	454	355
22	155	123	577	2,100	808	1,470	1,630	1,570	779	717	421	370
23	159	111	555	1,960	884	1,510	1,750	1,510	910	690	396	359
24	217	176	516	1,700	956	1,530	1,790	1,470	781	662	399	307
25	144	186	500	1,510	969	1,550	1,760	1,460	599	532	410	299
26	114	159	490	1,320	969	1,810	1,690	1,530	463	407	399	293
27	113	147	506	1,190	995	1,970	1,640	1,770	406	423	423	312
28	114	159	538	1,130	969	2,000	1,580	2,000	550	487	432	322
29	130	161	555	1,070	------	1,990	1,570	2,000	687	552	368	267
30	111	129	1,110	1,040	------	2,350	1,500	2,130	703	596	367	258
31	136	------	976	982	------	2,570	------	2,360	------	599	292	------
TOTAL	5,231	9,838	16,279	40,183	22,551	47,060	61,010	58,130	37,410	26,732	12,680	9,827
MEAN	169	328	525	1,296	805	1,518	2,034	1,875	1,247	862	409	328
MAX	269	1,740	1,110	3,300	995	2,570	3,300	2,360	2,240	1,740	567	413
MIN	111	104	168	566	666	1,040	1,500	1,460	406	407	259	258
AC-FT	10,380	19,510	32,290	79,700	44,730	93,340	121,000	115,300	74,200	53,020	25,150	19,490

CAL YR 1973 TOTAL 184,493 MEAN 505 MAX 1,740 MIN 64 AC-FT 365,900
WTR YR 1974 TOTAL 346,931 MEAN 950 MAX 3,300 MIN 104 AC-FT 688,100

10352500 McDermitt Creek near McDermitt, Nev.

LOCATION.--Lat 41°58'00", long 117°50'01", in SE¼SE¼ sec.8, T.47 N., R.37 E., Humboldt County, on right bank at mouth of canyon, 6.5 mi (10.5 km) southwest of McDermitt.

DRAINAGE AREA.--225 mi^2 (583 km^2).

PERIOD OF RECORD.--October 1948 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,545 ft (1,385 m) from topographic map. Prior to May 11, 1972, at site approximately 300 ft (91 m) downstream on left bank at same datum.

AVERAGE DISCHARGE.--26 years, 30.4 ft^3/s (0.861 m^3/s), 22,020 acre-ft/yr (27.2 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 565 ft^3/s (16.0 m^3/s) Mar. 12, gage height, 4.98 ft (1.518 m); maximum gage height, 5.14 ft (1.567 m) Jan. 15 (backwater from ice); minimum daily discharge, 2.5 ft^3/s (0.071 m^3/s) Sept. 24-26.

Period of record: Maximum discharge, 3,970 ft^3/s (112 m^3/s) about Feb. 1, 1963, gage height, 8.64 ft (2.634 m), in gage well, from rating curve extended above 250 ft^3/s (7.08 m^3/s) on basis of slope-area measurement of peak flow; no flow for several days in some years.

REMARKS.--Records fair except those for winter periods, which are poor. One diversion for about 1,500 acres (6.07 km^2) above station.

REVISIONS (WATER YEARS).--WSP 1214: 1949-50 (P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	3.6	6.5	16	15	27	125	177	99	65	17	4.6	3.6
2	3.6	7.4	15	12	21	223	199	98	62	19	5.0	3.6
3	3.6	6.3	14	12	22	101	177	98	60	18	4.5	3.3
4	3.7	6.0	12	13	25	66	165	97	61	18	4.4	3.1
5	3.8	6.7	12	13	17	73	176	100	62	16	4.3	2.9
6	3.8	7.0	11	14	16	113	176	106	63	21	4.6	2.9
7	4.7	7.6	10	14	16	111	150	111	56	18	7.4	2.9
8	5.1	10	14	13	18	78	139	124	51	20	5.8	2.9
9	4.7	11	15	12	19	54	154	134	47	28	5.0	2.9
10	4.5	9.2	18	12	19	64	138	129	42	34	4.8	2.8
11	4.5	8.9	17	12	21	108	142	122	40	30	4.5	2.8
12	4.5	11	18	12	21	247	149	116	38	22	4.3	2.8
13	4.6	14	15	15	21	239	135	108	36	18	4.1	3.0
14	4.5	12	14	30	21	158	130	98	35	15	4.0	3.1
15	4.5	11	14	80	21	346	121	90	34	13	4.0	2.9
16	4.4	11	14	200	22	381	129	86	33	12	4.1	2.9
17	4.4	12	15	275	20	399	136	79	32	11	4.1	3.3
18	4.4	14	18	162	21	416	152	73	29	10	3.9	3.3
19	4.4	13	19	204	23	335	136	69	28	9.6	3.9	3.3
20	5.0	11	24	154	17	303	123	66	29	8.9	3.9	3.1
21	5.1	12	18	72	18	250	117	61	29	8.2	4.0	2.9
22	5.3	14	17	57	21	243	119	60	26	7.6	4.3	2.8
23	6.1	13	16	60	17	229	126	57	23	7.2	4.3	2.6
24	6.6	13	15	50	15	229	126	58	21	6.7	4.0	2.5
25	6.1	12	14	47	21	243	125	64	19	6.2	3.6	2.5
26	5.8	13	13	39	24	231	117	73	18	6.0	3.6	2.5
27	5.8	14	17	30	21	235	105	88	18	5.8	3.6	2.6
28	5.9	13	21	31	25	213	97	102	17	5.5	3.6	2.6
29	5.9	13	21	30	-----	187	90	89	16	5.3	3.3	2.8
30	6.2	13	21	34	-----	222	91	77	16	5.2	3.3	2.8
31	6.3	-----	18	30	-----	184	-----	70	-----	4.8	3.3	-----
TOT	151.4	325.6	496	1.754	570	6.406	4.117	2.802	1.106	427.0	132.1	88.0
MEAN	4.9	10.9	16	56.6	20.4	207	137	90.4	36.9	13.8	4.3	2.9
MAX	6.6	14	24	275	27	416	199	134	65	34	7.4	3.6
MIN	3.6	6.0	10	12	15	54	90	57	16	4.8	3.3	2.5
AC-FT	300	646	984	3,480	1,130	12,710	8,170	5,560	2,200	847	262	175

CAL YR	1973	TOTAL	12,604.7	MEAN	34.5	MAX	329	MIN	1.0	AC-FT	25,000
WAT YR	1974	TOTAL	18,375.1	MEAN	50.3	MAX	416	MIN	2.5	AC-FT	36,450

PEAK DISCHARGE (BASE, 150 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-17	0400	3.76	310	3-12	2100	4.98	565
3-01	2200	4.50	447	3-17	2400	4.94	560
3-06	2200	3.37	230				

10353000 East Fork Quinn River near McDermitt, Nev.

LOCATION.--Lat 41°59'00", long 117°35'00", in sec.9, T. 47 N., R.39 E., Humboldt County, on right bank 1 mi (2 km) downstream from South Fork and 7 mi (11 km) east of McDermitt.

DRAINAGE AREA.--140 mi^2 (363 km^2), approximately.

PERIOD OF RECORD.--October 1948 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,700 ft (1,433 m) from topographic map.

AVERAGE DISCHARGE.--26 years, 26.3 ft^3/s (0.745 m^3/s), 19,050 acre-ft/yr (23.5 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 442 ft^3/s (12.5 m^3/s) Mar. 15, gage height, 5.41 ft (1.649 m); minimum, 1.4 ft^3/s (0.040 m^3/s) Aug. 18.

Period of record: Maximum discharge, 1,270 ft^3/s (36.0 m^3/s) Jan. 15, 1956, gage height, 8.52 ft (2.597 m); minimum, 0.10 ft^3/s (0.003 m^3/s) Sept. 6, 7, 1955.

REMARKS.--Records good. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	4.9	12	8.8	34	25	121	72	21	4.4	1.9	1.8
2	3.5	4.5	11	7.4	27	65	127	70	20	4.4	2.0	1.8
3	3.6	4.6	10	7.0	25	41	116	65	19	4.3	1.9	1.9
4	3.5	4.1	9.5	7.1	25	33	106	65	19	4.0	1.8	1.9
5	3.5	4.9	9.9	7.2	21	37	118	64	19	3.7	1.8	1.9
6	3.5	5.1	10	7.4	18	88	135	64	18	3.7	2.2	1.9
7	4.2	5.3	9.8	7.4	18	75	127	64	17	3.7	2.6	1.9
8	4.2	6.3	10	7.3	20	57	128	65	17	4.2	2.5	1.8
9	4.2	5.7	9.4	7.4	18	47	125	64	15	5.6	2.3	1.8
10	4.1	5.6	9.1	6.7	18	54	103	61	14	6.6	2.2	1.9
11	4.1	5.8	10	6.5	17	76	102	57	13	6.1	1.9	1.9
12	4.1	7.4	9.5	7.1	16	149	102	55	12	5.2	1.8	2.0
13	3.9	7.4	10	7.3	15	159	88	51	11	4.4	1.8	2.0
14	3.8	7.2	9.3	7.6	15	143	91	47	10	4.2	1.8	2.0
15	3.8	7.0	9.0	50	14	294	96	44	9.7	3.5	1.8	2.0
16	3.8	7.0	9.0	152	14	330	100	42	9.2	3.4	1.7	2.0
17	3.8	7.8	11	254	14	313	110	40	8.4	3.2	1.7	2.0
18	3.9	9.4	11	168	13	269	116	37	8.1	3.0	1.6	2.0
19	3.9	8.2	8.8	212	15	219	100	35	8.2	2.9	1.7	1.9
20	4.1	6.6	10	171	13	187	90	33	8.4	2.8	1.9	1.9
21	4.1	7.8	11	116	12	164	90	31	8.2	2.6	1.9	1.9
22	4.2	8.4	10	92	13	152	105	29	7.7	2.4	1.8	1.9
23	4.9	8.5	10	83	9.3	142	103	28	7.3	2.3	1.8	2.0
24	4.7	8.3	8.1	70	10	144	92	28	6.9	2.2	1.7	2.1
25	4.7	7.9	8.6	62	12	153	84	27	6.5	2.2	1.7	1.9
26	4.6	8.4	6.3	55	12	164	75	27	6.2	2.1	1.7	2.0
27	4.6	9.3	9.7	48	12	170	68	27	5.9	2.1	1.6	2.1
28	4.7	9.4	14	45	12	141	62	27	5.6	2.0	1.7	2.1
29	4.9	9.6	22	40	------	128	61	26	5.2	1.9	1.7	2.2
30	4.8	9.7	20	39	------	147	68	24	4.6	2.0	1.9	2.2
31	4.7	------	15	36	------	118	------	23	------	1.8	1.8	------
TOTAL	127.8	212.1	333.0	1,795.2	462.3	4,286	3,009	1,393	341.1	106.9	58.2	58.7
MEAN	4.12	7.07	10.7	57.9	16.5	138	100	44.9	11.4	3.45	1.88	1.96
MAX	4.9	9.7	22	254	34	330	135	72	21	6.6	2.6	2.2
MIN	3.4	4.1	6.3	6.5	9.3	25	61	23	4.6	1.8	1.6	1.8
AC-FT	253	421	661	3,560	917	8,500	5,970	2,760	677	212	115	116

CAL YR 1973 TOTAL 9,249.2 MEAN 25.3 MAX 250 MIN 1.4 AC-FT 18,350
WTR YR 1974 TOTAL 12,163.3 MEAN 33.4 MAX 330 MIN 1.6 AC-FT 24,170

PEAK DISCHARGE (BASE, 100 CFS).--Jan. 17 (0300) 310 cfs (4.88 ft); Mar. 15 (2200) 442 cfs (5.41 ft).

10353500 Quinn River near McDermitt, Nev.

LOCATION.--Lat 41°47'00", long 117°48'00", in SW¼ sec.15, T.45 N., R.37 E., Humboldt County, on left bank 1.5 mi (2.4 km) upstream from Flat Creek and 15.5 mi (24.9 km) south of McDermitt.

DRAINAGE AREA.--1,100 mi^2 (2,849 km^2), approximately.

PERIOD OF RECORD.--October 1948 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,240 ft (1,292 m) from river-profile map.

AVERAGE DISCHARGE.--26 years, 56.8 ft^3/s (1.609 m^3/s), 24,420 acre-ft/yr (30.1 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 680 ft^3/s (19.2 m^3/s) Mar. 18, gage height, 4.88 ft (1.487 m); minimum, 0.43 ft^3/s (0.012 m^3/s) Dec. 15, 16, 30.

Period of record: Maximum discharge, 1,580 ft^3/s (44.7 m^3/s) Apr. 27, 1952, gage height, 8.39 ft (2.557 m); no flow for some days in some years.

REMARKS.--Records good. Several diversions for irrigation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	.76	.82	.9	.6	35	12	357	143	26	2.3	.84	.67
2	.68	.84	.81	.5	29	50	353	128	24	2.1	.81	.68
3	.75	.89	.7	.5	27	105	352	98	22	2.0	.83	.7
4	.77	.85	.7	.5	23	54	325	112	21	1.9	.81	.7
5	.78	.95	.7	.6	21	50	295	118	21	1.7	.84	.69
6	.83	.93	.76	.6	19	59	282	119	20	1.6	1.1	.69
7	.86	.98	.81	.6	19	91	281	121	18	1.4	.96	.68
8	.73	.89	.76	.6	20	89	274	124	18	1.4	.96	.76
9	.8	.82	.7	.5	20	85	253	131	16	1.9	.9	.76
10	.82	.82	.67	.4	17	76	251	133	15	2.3	.9	.72
11	.84	.87	.7	.4	19	94	251	135	29	2.0	.93	.7
12	.87	.94	.74	.5	16	137	241	131	23	1.6	.92	.72
13	.87	.87	.7	.8	16	195	235	123	20	1.3	.89	.73
14	.84	.89	.74	1.7	15	225	219	110	18	1.1	.88	.77
15	.8	.82	.68	5.0	15	226	208	97	16	1.1	.87	.77
16	.77	.79	.69	49	16	342	207	87	13	.99	.84	.72
17	.78	.86	.7	81	16	527	201	74	12	.91	.82	.72
18	.77	.88	.72	156	16	627	219	71	11	.9	.83	.71
19	.73	.83	.7	163	18	658	252	73	9.5	.87	.81	.7
20	.79	.84	.72	200	16	560	245	71	8.4	.82	.81	.7
21	.78	.82	.74	138	14	483	225	65	7.7	.82	.81	.69
22	.78	.82	.67	102	13	408	207	60	7.1	.91	.78	.71
23	.89	.78	.73	81	12	362	202	54	6.4	.85	.76	.69
24	.78	.77	.71	68	7.9	320	217	49	5.7	.85	.72	.67
25	.71	.7	.63	65	7.5	308	246	44	4.9	.88	.72	.71
26	.74	.82	.69	55	10	347	242	39	4.2	.91	.72	.67
27	.77	.8	.82	46	11	369	226	34	3.7	.91	.71	.67
28	.73	.85	.78	43	12	359	202	31	3.1	.89	.66	.74
29	.84	.82	.78	41	-----	340	180	29	2.6	.93	.63	.77
30	.86	.8	.66	39	-----	327	157	28	2.5	.89	.69	.71
31	.86	-----	.6	39	-----	345	-----	27	-----	.88	.69	-----
TOT	24.58	25.36	22.41	1,379.8	480.4	8,230	7,405	2,659	408.8	39.91	25.44	21.32
MEAN	0.79	0.84	0.72	44.5	17.2	265	247	85.8	13.6	1.29	0.82	0.71
MAX	0.89	0.98	0.90	200	35	658	357	143	29	2.3	1.1	0.77
MIN	0.68	0.70	0.60	0.40	7.5	12	157	27	2.5	0.82	0.63	0.67
AC-FT	49	50	44	2,740	953	16,320	14,690	5,270	811	79	50	42

CAL YR 1973 TOTAL 13,580.49 MEAN 37.2 MAX 454 MIN 0.43 ACRE-FT 26,940
WAT YR 1974 TOTAL 20,722.02 MEAN 56.8 MAX 658 MIN 0.40 ACRE-FT 41,100

10353700 Leonard Creek near Denio, Nev.

LOCATION.--Lat 41°31'40", long 118°42'45", in SE¼ sec.25, T.42 N., R.28 E., Humboldt County, on right bank 0.3 mi (0.5 km) upstream from concrete diversion structure, 0.7 mi (1.1 km) upstream from Leonard Creek ranch buildings, about 18 mi (29 km) upstream from Quinn River, and 32 mi (51 km) south of Denio.

DRAINAGE AREA.--52 mi^2 (135 km^2), approximately.

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,300 ft (1,310 m) from topographic map AMS. Prior to Aug. 21, 1969, at site 50 ft (15 m) downstream at datum 0.28 ft (0.085 m) lower.

AVERAGE DISCHARGE.--14 years, 4.90 ft^3/s (0.139 m^3/s), 3,550 acre-ft/yr (4.38 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 56 ft^3/s (1.59 m^3/s) Mar. 1, gage height, 1.80 ft (0.549 m); maximum gage height, 1.98 ft (0.604 m) Jan. 15 (backwater from ice); minimum, 1.4 ft^3/s (0.040 m^3/s) Aug. 30.

Period of record: Maximum discharge, 612 ft^3/s (17.3 m^3/s) Feb. 1, 1963, gage height, 4.98 ft (1.518 m), from rating curve extended above 15 ft^3/s (0.42 m^3/s) on basis of slope-area measurement of peak flow; no flow for part of each day July 23 to Aug. 5, 1961, Jan. 11, 12, 1963.

REMARKS.--Records good except those for winter periods, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	2.9	4.1	2.8	4.1	23	15	11	9.8	2.2	2.6	1.8
2	2.8	2.8	3.5	2.7	3.7	9.1	9.8	11	9.8	2.1	2.7	1.8
3	2.8	2.7	3.4	2.6	3.5	4.7	8.8	11	9.8	1.9	2.5	1.8
4	2.8	2.6	3.2	2.8	4.2	4.5	8.1	12	9.8	1.8	2.5	1.8
5	2.8	2.8	3.3	2.9	3.6	5.1	8.1	12	9.8	1.7	2.5	1.8
6	2.8	2.9	3.2	2.9	3.2	9.5	7.5	12	9.5	1.6	3.6	1.8
7	3.7	3.5	3.4	2.8	3.5	7.8	7.2	13	9.5	1.5	2.9	1.8
8	3.2	4.1	3.2	2.6	3.8	4.9	7.5	13	9.1	1.5	2.8	1.8
9	3.1	3.2	3.1	2.5	3.8	5.3	7.5	13	8.8	7.0	2.5	1.7
10	2.9	3.2	3.0	2.4	3.8	7.8	7.5	12	8.8	6.0	2.4	1.7
11	3.1	3.2	3.1	2.5	3.9	11	7.5	12	8.1	5.1	2.4	1.8
12	2.9	5.1	3.1	2.6	4.2	15	7.5	13	7.8	4.5	2.3	1.9
13	2.8	3.7	3.2	2.8	4.1	9.8	7.5	12	7.5	4.0	2.2	1.9
14	2.6	3.4	3.2	3.9	3.9	14	7.5	11	6.9	3.8	2.3	1.9
15	2.6	3.4	3.2	16	3.9	18	7.5	11	6.6	3.4	2.3	1.9
16	2.6	3.4	3.2	26	4.1	14	7.8	11	6.3	3.4	2.3	1.9
17	2.6	3.7	3.5	13	3.9	13	8.1	11	5.8	3.4	2.2	1.8
18	2.6	3.7	3.4	9.5	3.9	11	11	11	5.8	3.2	2.2	1.8
19	2.6	2.8	3.2	17	4.1	11	9.8	11	5.3	3.1	2.1	1.7
20	2.9	3.0	3.4	7.5	3.9	10	9.1	11	5.1	3.1	2.4	1.7
21	2.8	3.3	3.4	5.1	4.2	9.8	8.8	10	4.7	3.1	2.3	1.7
22	2.9	3.5	3.2	4.5	3.7	9.5	9.8	10	4.2	2.8	2.2	1.7
23	3.2	3.5	3.2	5.6	3.5	9.1	10	9.8	4.1	2.8	2.1	1.7
24	3.1	3.4	3.1	5.3	3.6	9.5	11	9.5	3.7	2.5	2.1	1.7
25	3.1	3.0	3.2	4.7	3.8	10	10	9.8	3.4	2.6	2.0	1.7
26	2.9	3.2	3.0	3.5	3.9	10	9.8	10	3.2	2.6	2.0	1.7
27	2.9	3.4	3.3	4.5	3.7	9.5	9.8	10	3.1	2.6	2.0	1.8
28	2.9	3.4	3.5	4.2	3.7	8.8	9.5	10	2.8	2.6	1.9	1.9
29	3.1	3.4	4.1	4.0	------	10	8.8	10	2.5	2.5	1.9	1.8
30	3.1	3.4	3.4	4.7	------	9.8	9.1	9.8	2.4	2.4	1.7	1.8
31	3.1	------	3.1	4.2	------	8.4	------	9.5	------	2.4	1.8	------
TOTAL	90.1	99.6	102.4	178.1	107.2	312.9	266.9	342.4	194.0	93.2	71.7	53.6
MEAN	2.91	3.32	3.30	5.75	3.83	10.1	8.90	11.0	6.47	3.01	2.31	1.79
MAX	3.7	5.1	4.1	26	4.2	23	15	13	9.8	7.0	3.6	1.9
MIN	2.6	2.6	3.0	2.4	3.2	4.5	7.2	9.5	2.4	1.5	1.7	1.7
AC-FT	179	198	203	353	213	621	529	679	385	185	142	106

CAL YR 1973 TOTAL 2,119.3 MEAN 5.81 MAX 32 MIN 1.3 AC-FT 4,200
WTR YR 1974 TOTAL 1,912.1 MEAN 5.24 MAX 26 MIN 1.5 AC-FT 3,790

PEAK DISCHARGE (BASE, 15 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-16	0100	1.73	about 48	3-15	2000	1.43	27
1-19	0800	1.52	31	4-01	1900	1.56	38
3-01	1800	1.80	56				

10353770 South Willow Creek near Gerlach, Nev.

LOCATION.--Lat 41°01'00", long 119°21'00", in E½ sec.11, T.36 N., R.23 E., Washoe County, on left bank 150 ft (46 m) east of State Highway 34 and 25 mi (40 km) north of Gerlach.

DRAINAGE AREA.--31 mi^2 (80 km^2), approximately.

PERIOD OF RECORD.--Water years 1963-73 (annual maximum), August 1973 to September 1974.

GAGE.--Water-stage recorder. Altitude of gage is 4,500 ft (1,372 m), approximately (from topographic map). July 1, 1963, to Aug. 16, 1973, operated as a crest-stage gage only, at datum 1.00 ft (.305 m) lower.

EXTREMES.--Water year 1973: Maximum discharge, 27 ft^3/s (0.76 m^3/s) date unknown, gage height 1.07 ft (0.326 m); no flow August and September.

Water year 1974: Maximum discharge, 3.9 ft^3/s (0.11 m^3/s) Mar. 14, gage height, 0.66 ft (0.201 m); no flow most of year.

Flood of unknown date reached a stage of 9.4 ft (2.87 m), present datum, from floodmarks, estimated discharge, 3,100 cfs (87.8 m^3/s).

REMARKS.--Records fair. No diversion or regulation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				0	.10	.17	.43	.35	.09			
2				0	.20	.47	.43	.35	.07			
3				0	.10	.31	.47	.35	.04			
4				0	.10	.19	.47	.31	.04			
5				0	.10	.19	.47	.31	.07			
6				0	.10	.31	.47	.28	.09			
7				0	.10	.39	.43	.28	.09			
8				0	.10	.39	.43	.28	.11			
9				0	.10	.39	.47	.28	.11			
10				0	.10	.52	.43	.31	.09			
11				0	.10	.67	.43	.31	.07			
12				0	.10	.74	.39	.31	.07			
13				0	.10	.63	.31	.35	.09			
14				0	.10	.96	.31	.35	.09			
15				0	.09	1.3	.35	.31	.11			
16				0	.09	1.1	.31	.35	.11			
17				.10	.09	.96	.31	.39	.11			
18				.10	.09	.74	.39	.35	.11			
19				.10	.09	.67	.43	.35	.11			
20				.10	.09	.63	.47	.35	.11			
21				.10	.09	.47	.57	.31	.09			
22				.10	.09	.43	.74	.28	.09			
23				.10	.09	.39	.74	.25	.09			
24				.10	.09	.39	.63	.22	.07			
25				.10	.09	.39	.52	.17	.06			
26				.10	.11	.35	.52	.15	.05			
27				.10	.11	.35	.47	.13	.03			
28				.10	.11	.35	.47	.13	.02			
29				.10	------	.35	.39	.13	.01			
30				.10	------	.39	.35	.13	0			
31		------		.10	------	.31	------	.11	------			------
TOTAL	0	0	0	1.50	2.82	15.90	13.60	8.53	2.29	0	0	0
MEAN	0	0	0	.048	.10	.51	.45	.28	.076	0	0	0
MAX	0	0	0	.10	.20	1.3	.74	.39	.11	0	0	0
MIN	0	0	0	0	.09	.17	.31	.11	0	0	0	0
AC-FT	0	0	0	3.0	5.6	32	27	17	4.5	0	0	0

WTR YR 1974 TOTAL 44.64 MEAN .12 MAX 1.3 MIN 0 AC-FT 89

13082500 Goose Creek above Trapper Creek, near Oakley, Idaho

LOCATION.--Lat 42°07'30", long 113°56'20", in sec.13, T.15 S., R.21 E., Cassia County, on right bank 0.2 mi (0.3 km) upstream from maximum flow line of Oakley Reservoir, 5 mi (8 km) upstream from Trapper Creek, 5 mi (8 km) south of Oakley Dam, and 9 mi (14.5 km) southwest of Oakley.

DRAINAGE AREA.--633 sq mi (1,640 sq km). Mean altitude, 6,030 ft (1,837.9 m).

PERIOD OF RECORD.--April 1911 to September 1916, March 1919 to current year. Monthly discharge only for some periods, published in WSP 1317.

GAGE.--Water-stage recorder. Altitude of gage is 4,770 ft or 1,453.8 m (by barometer). Prior to Aug. 29, 1912, at site 200 ft (60.9 m) downstream at different datum.

AVERAGE DISCHARGE.--60 years, 45.8 cfs (1.30 cu m/s), 33,180 acre-ft/yr (40.91 cu hm); 15-year base period (1952-67), 38.0 cfs 1.08 cu m/s).

EXTREMES.--Current year: Maximum discharge, 375 cfs (10.6 cu m/s) Apr. 28 (gage height, 3.97 ft or 1.210 m); minimum, 6.6 cfs (0.19 cu m/s) Sept. 14 (gage height, 1.27 ft or 0.387 m).

Period of record: Maximum discharge, 3,240 cfs (91.8 cu m/s) Feb. 11, 1962 (gage height, 9.3 ft or 2.83 m), from rating curve extended above 200 cfs (5.66 cu m/s) on basis of slope-area measurement of peak flow; no flow July 22 to Aug. 10, Aug. 22-30, 1934, Aug. 15 to Oct. 3, 1935, July 22 to Sept. 25, 1940, Sept. 14, 1947.

REMARKS.--Records good except those for October to May, which are poor. Decreed water rights are reported to apply to about 2,700 acres (1,090 sq hm) above station. Diversions for irrigation are made as flow permits to a major part of this acreage. Flow or artesian well, completed in 1935, enters below station. Pumps on four wells above and one below gage discharged into the channel during 1961-64. Pumps were not operated during the current year. Practically entire flow passing station is stored in Oakley Reservoir.

REVISIONS.--WSP 1567: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	27	45	22	35	91	135	267	134	15	14	8.5
2	22	26	37	16	34	100	156	270	124	17	17	9.0
3	22	24	29	21	34	80	151	282	115	16	18	10
4	22	23	26	22	34	70	129	286	107	15	17	10
5	23	32	25	23	32	72	119	289	107	15	15	10
6	23	36	28	23	30	95	111	291	110	15	18	10
7	24	38	30	23	34	83	105	306	114	15	17	10
8	27	41	35	23	36	76	100	319	105	15	17	10
9	30	40	30	22	39	72	98	329	100	16	17	10
10	32	40	28	21	43	72	98	337	92	17	14	10
11	31	38	31	22	47	75	99	356	90	16	14	10
12	30	37	33	24	45	83	111	361	83	17	14	11
13	30	38	32	25	45	89	114	340	77	16	13	12
14	30	39	31	27	46	83	108	301	75	15	13	11
15	29	39	29	29	50	84	111	270	69	15	13	12
16	28	38	32	31	52	100	116	234	65	17	15	14
17	26	39	29	27	55	115	131	214	56	20	13	12
18	26	42	31	25	60	116	152	192	35	25	12	12
19	26	39	29	27	63	118	178	180	28	23	12	11
20	26	33	27	29	62	111	207	174	30	22	11	11
21	27	35	28	26	59	102	221	169	30	21	15	11
22	26	35	27	25	56	100	220	152	27	18	15	11
23	27	34	28	25	54	95	225	133	28	18	15	11
24	28	33	27	25	54	87	248	127	28	20	15	11
25	28	31	24	27	56	88	279	122	25	20	14	12
26	28	34	22	25	60	90	312	120	19	21	13	12
27	28	36	15	25	64	100	356	122	13	18	13	12
28	31	42	23	25	69	118	367	129	16	18	12	12
29	29	51	30	27	------	120	337	130	13	18	10	13
30	26	47	26	30	------	128	291	139	14	16	9.2	13
31	28	------	24	38	------	128	------	139	------	16	9.0	------
TOTAL	834	1,087	891	780	1,348	2,941	5,385	7,080	1,929	546	434.2	331.5
MEAN	26.9	36.2	28.7	25.2	48.1	94.9	180	228	64.3	17.6	14.0	11.1
MAX	32	51	45	38	69	128	367	361	134	25	18	14
MIN	21	23	15	16	30	70	98	120	13	15	9.0	8.5
AC-FT	1,650	2,160	1,770	1,550	2,670	5,830	10,680	14,040	3,830	1,080	861	658

CAL YR 1973 TOTAL 21,670.8 MEAN 59.4 MAX 296 MIN 7.8 AC-FT 42,980
WTR YR 1974 TOTAL 23,586.7 MEAN 64.6 MAX 367 MIN 8.5 AC-FT 46,780

NOTE.--No gage-height record Jan. 20 to Mar. 25.

13105000 Salmon Falls Creek near San Jacinto, Nev.

LOCATION.--Lat 41°56'40", long 114°41'15", in NE¼SW¼ sec.23, T.47 N., R.64 E., Elko County, on right bank in canyon, 630 ft (192 m) downstream from bridge on U.S. Highway 93, 550 ft (168 m) downstream from Shoshone Creek, and 5 mi (8 km) north of San Jacinto.

DRAINAGE AREA.--1,450 sq mi (3,760 sq km), approximately. Mean altitude, 6,350 ft (1,935 m).

PERIOD OF RECORD.--September 1909 to June 1910 (gage heights only), June 1910 to September 1916, October 1918 to current year. Monthly discharge only for some periods published in WSP 1317. Prior to October 1910, published as Salmon Falls "River."

GAGE.--Water-stage recorder. Altitude of gage is 5,120 ft (1,561 m) (by barometer). Prior to June 6, 1910, nonrecording gage at nearby site at different datum. June 6, 1910, to Sept. 30, 1916, Oct. 1, 1918, to Aug. 28, 1964, water-stage recorder at site 35 ft (11 m) upstream at same datum.

AVERAGE DISCHARGE.--62 years (1910-16, 1918-74), 138 cfs (3.91 cu m/s), 99,980 acre-ft/yr (123 cu hm/yr); 15-year base period (1952-67), 123 cfs (3.48 cu m/s).

EXTREMES.--Current year: Maximum discharge, 1,430 cfs (40.5 cu m/s) Mar. 3, gage height, 8.35 ft (2.545 m); minimum, 11 cfs (0.312 cu m/s) Aug. 15, 16 (gage height, 3.94 ft or 1.201 m).

Period of record: Maximum discharge, 1,970 cfs (55.8 cu m/s) Feb. 12, 1962, gage height, 12.65 ft (3.856 m), from floodmark, from rating extended above 900 cfs on basis of contracted-opening measurement of peak flow, but may have been exceeded by peak of Feb. 24, 1943; minimum, 2.6 cfs (0.074 cu m/s) Sept. 4, 1961, gage height, 3.37 ft (1.027 m).

REMARKS.--Records good except those for March and July, which are fair. Diversions above station for irrigation of about 18,200 acres or 7,370 sq hm (1966 determination). Salmon Dam of Salmon River Canal Co. is 15 mi (24.1 km) downstream (see sta 13106500).

REVISIONS (WATER YEARS).--WSP 1934: 1943 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	64	72	52	82	164	674	518	378	57	30	27
2	53	64	74	23	81	736	694	533	363	54	31	22
3	53	64	68	30	78	755	591	568	354	53	31	22
4	53	60	67	43	75	226	477	572	372	51	33	23
5	51	62	69	48	67	165	425	560	372	48	30	22
6	53	65	69	60	55	160	411	572	372	46	30	24
7	56	68	71	60	59	270	390	617	369	46	37	23
8	59	67	74	61	65	230	364	661	337	45	40	23
9	59	78	74	55	71	180	375	760	290	44	38	24
10	59	81	67	49	68	180	404	842	259	43	35	25
11	58	76	71	47	68	200	371	848	237	48	30	25
12	58	73	74	54	68	228	383	746	212	43	25	28
13	57	79	76	68	71	301	416	657	216	42	21	41
14	58	85	75	72	72	228	369	576	222	41	18	48
15	57	81	65	86	74	253	362	500	220	41	15	49
16	57	78	68	91	76	310	380	461	210	41	12	47
17	56	78	75	97	77	405	429	433	196	40	15	46
18	56	84	76	98	76	497	501	397	191	40	15	45
19	58	87	71	101	77	508	608	354	180	40	16	42
20	62	77	68	143	75	474	703	327	160	40	17	46
21	62	70	70	115	67	422	713	308	148	40	17	41
22	62	71	78	86	72	368	683	285	138	44	18	43
23	63	73	77	92	68	319	696	264	122	43	16	45
24	63	74	74	86	67	282	803	252	112	39	16	47
25	64	72	66	86	69	283	886	237	102	36	17	47
26	64	69	39	89	74	344	953	259	88	35	15	45
27	63	69	66	86	79	466	875	311	83	36	15	45
28	63	69	76	85	83	547	755	363	75	37	15	45
29	63	71	82	79	------	613	626	420	69	35	15	44
30	60	73	83	83	------	555	537	440	60	32	18	44
31	61	------	61	81	------	620	------	417	------	31	18	------
TOTAL	1,814	2,182	2,196	2,306	2,014	11,289	16,854	15,058	6,507	1,311	699	1,098
MEAN	58.5	72.7	70.8	74.4	71.9	364	562	486	217	42.3	22.5	36.6
MAX	64	87	83	143	83	755	953	848	378	57	40	49
MIN	51	60	39	23	55	160	362	237	60	31	12	22
AC-FT	3,600	4,330	4,360	4,570	3,990	22,390	33,430	29,870	12,910	2,600	1,390	2,180

CAL YR 1973 TOTAL 62,026 MEAN 170 MAX 826 MIN 15 AC-FT 123,000
WTR YR 1974 TOTAL 63,328 MEAN 174 MAX 953 MIN 12 AC-FT 125,600

13106500 Salmon River Canal Co. reservoir near Rogerson, Idaho

LOCATION.--Lat 42°12'40", long 114°44'00", in NE¼ sec.18, T.14 S., R.15 E., Twin Falls County, Bureau of Land Management lands, at dam on Salmon Falls Creek, 7.5 mi (12.1 km) west of Rogerson, and at mile 46.0 (74.0 km).

DRAINAGE AREA.--1,610 sq mi (4,170 sq km), approximately.

PERIOD OF RECORD.--January 1922 to current year.

GAGE.--Nonrecording gage. Datum of gage is 4,945.8 ft (1,507.5 m) above mean sea level.

EXTREMES.--Current year: Maximum contents observed, 130,200 acre-ft (161 cu hm) May 16, 17 (gage height, 63.35 ft or 19.309 m); minimum observed, 55,000 acre-ft (67.8 cu hm) Sept. 27, 28, 30 (gage height, 33.08 ft or 10.083 m).

Period of record: Maximum contents observed, 158,000 acre-ft (195 cu hm) June 15 1972, gage height, 72.52 ft (22.104 m); minimum observed, 125 acre-ft (0.154 cu hm) Sept. 21 to Oct. 5, 1934, gage height, 0.1 ft (0.03 m).

REMARKS.--Reservoir is formed by gravity-section concrete-arch dam completed in 1911; storage began in 1910. Usable capacity, 182,650 acre-ft (225 cu hm) between gage heights 0.0 (bottom of outlet tunnel) and 80.0 ft (24.4 m) maximum operating level. Dead storage, 48,000 acre-ft (59.2 cu hm). Water is used for irrigation of lands in Salmon River Canal Co. project. Figures given herein represent usable contents.

COOPERATION.--Gage readings and capacity table furnished by Salmon River Canal Co.

Capacity table (gage height, in feet, and contents, in acre-feet)

30.0	48,800	60.0	120,600
40.0	69,800	70.0	150,000
50.0	93,800		

CONTENTS, IN ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67,700	68,200	70,000	71,700	74,100	76,100	93,500	120,900	125,700	108,100	79,400	58,200
2	—	—	—	—	—	76,600	94,700	121,800	125,400	107,100	78,600	57,700
3	—	—	—	—	74,200	77,800	95,800	122,600	125,000	106,200	77,800	57,100
4	—	—	70,100	—	—	78,500	96,700	123,600	124,600	105,200	77,000	56,600
5	—	68,600	—	—	74,300	78,800	97,500	124,600	124,200	104,100	76,300	56,100
6	—	—	70,200	71,800	74,400	78,900	98,200	125,400	123,900	103,100	75,500	55,700
7	—	68,300	70,300	—	—	79,300	99,000	126,500	123,500	102,100	74,700	55,400
8	67,800	68,600	70,400	71,900	74,600	79,500	99,600	126,800	123,000	101,000	74,000	—
9	—	66,700	—	—	—	79,900	100,000	127,600	122,800	100,000	73,200	—
10	—	68,600	—	72,000	—	80,000	100,500	128,100	122,500	99,000	72,500	55,400
11	—	—	70,500	—	—	80,200	101,200	128,700	122,000	98,000	71,900	55,300
12	67,900	—	—	72,200	74,800	80,500	101,700	129,000	121,600	97,000	71,200	55,300
13	—	68,800	—	—	74,900	80,800	102,200	129,600	121,100	96,100	70,500	55,200
14	—	68,900	—	—	75,000	81,300	103,100	129,900	120,500	95,200	69,700	55,200
15	—	69,000	70,700	—	—	81,700	103,800	130,000	119,800	94,300	68,900	55,100
16	—	—	—	—	—	82,000	104,300	130,200	119,300	93,500	68,000	55,100
17	—	69,200	70,800	72,400	75,100	82,500	104,800	130,200	118,700	92,600	67,500	—
18	68,000	69,300	71,000	72,600	75,300	83,200	105,600	130,000	118,100	91,900	66,800	55,100
19	—	—	70,900	—	—	84,100	106,400	129,700	117,300	91,000	66,000	55,200
20	—	69,400	—	72,700	75,400	84,800	107,200	129,400	116,600	90,100	65,300	—
21	—	69,500	71,000	72,800	75,500	85,500	108,600	129,200	116,000	89,200	64,500	55,200
22	—	—	—	73,000	75,600	86,200	109,700	128,900	115,300	88,400	63,900	55,200
23	—	69,600	71,100	73,200	75,600	86,800	110,800	128,600	114,600	87,500	63,200	—
24	68,100	—	—	73,300	75,700	87,200	111,800	128,300	113,800	86,500	62,600	—
25	—	69,700	71,200	73,400	—	87,800	113,200	128,000	113,100	85,500	62,000	55,200
26	—	69,800	71,300	73,500	75,900	88,400	114,800	127,600	112,300	84,700	61,400	55,100
27	—	—	71,500	73,600	—	89,000	115,900	127,000	111,600	83,700	60,900	55,000
28	—	—	71,600	73,800	76,100	89,500	117,400	126,500	110,800	83,000	60,300	55,000
29	—	—	—	73,900	------	90,600	118,800	126,300	109,800	82,100	59,800	—
30	68,200	—	—	74,000	------	91,500	120,100	126,100	109,000	81,200	59,300	55,000
31	68,200	------	71,700	74,100	------	92,500	------	126,000	------	80,400	58,700	------
MAX	68,200	70,000	71,700	74,100	76,100	92,500	120,100	130,200	125,700	108,100	79,400	58,200
MIN	67,700	68,200	70,000	71,700	74,100	76,100	93,500	120,900	109,000	80,400	58,700	55,000
(†)	39.30	—	40.80	41.85	42,70	49.50	59.80	61.90	55.80	44.55	34.90	33,08
(‡)	+500	+1,800	+1,700	+2,400	+2,000	+16,400	+27,600	+5,900	-17,000	-28,600	-21,700	-3,700

CAL YR 1973 .... ‡ -21,300
WTR YR 1974 .... ‡ -12,700

† Gage height, in feet, at end of month.
‡ Change in contents, in acre-feet.

13161500 Bruneau River at Rowland, Nev.

LOCATION.—Lat 41°56'00", long 115°40'25", in NW¼SE¼ sec.29, T.47 N., R.56 E., Elko County, on left bank 2 mi (3 km) upstream from McDonald Creek and 0.5 mi (0.8 km) south of Rowland.

DRAINAGE AREA.—382 mi^2 (989 km^2). Area at crest-stage site, 380 mi^2 (984 km^2).

PERIOD OF RECORD.—June 1913 to September 1918, water years 1962-66 (annual maximum), October 1966 to current year.

GAGE.—Water-stage recorder. Altitude of gage is 4,500 ft (1,372 m), from topographic map. June 1913 to September 1918, nonrecording gage at different site and datum. October 1961 to September 1966, crest-stage gage at site 3 mi (5 km) upstream at different datum.

AVERAGE DISCHARGE.—13 years, 120 ft^3/s (3.398 m^3/s), 86,940 acre-ft/yr (107 hm^3/yr).

EXTREMES.—Current year: Maximum discharge, 701 ft^3/s (19.9 m^3/s) Apr. 24, gage height, 6.18 ft (1.884 m); minimum daily, 6.5 ft^3/s (0.18 m^3/s) Aug. 29.

Period of record: Maximum discharge, 2,120 ft^3/s (60.0 m^3/s) Feb. 11, 1962, gage height, 13.0 ft (3.96 m) site and datum then in use; minimum, 5 ft^3/s (0.14 m^3/s) Aug. 12, 13, 1918.

REMARKS.—Records good except those for winter months, which are poor. Minor diversions for irrigation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	26	34	32	51	57	442	471	250	48	14	6.9
2	17	26	31	30	47	96	476	510	239	47	15	7.0
3	17	21	29	30	42	88	412	514	234	45	12	7.3
4	17	22	28	30	45	81	368	504	234	42	11	7.6
5	17	23	28	31	45	93	361	531	233	39	11	7.7
6	18	27	30	32	42	102	359	561	223	36	11	7.5
7	18	32	33	33	39	99	344	579	208	36	17	7.5
8	22	43	35	31	40	91	340	629	193	34	16	7.5
9	24	39	25	29	38	81	374	672	176	36	14	7.5
10	23	33	28	34	42	84	349	622	161	37	14	7.1
11	20	31	34	37	43	101	322	548	155	41	12	6.9
12	19	31	31	40	43	127	355	509	154	36	11	8.4
13	19	39	35	42	40	167	301	451	158	32	10	9.0
14	19	36	29	48	40	186	310	396	155	28	9.4	8.7
15	19	34	30	64	43	274	322	366	151	28	9.0	7.9
16	19	33	34	84	43	423	364	327	144	28	9.0	8.6
17	19	32	34	70	43	544	435	295	137	26	8.5	8.7
18	19	41	35	40	43	607	542	269	126	25	7.8	8.0
19	19	39	23	75	47	498	580	248	117	24	7.5	8.6
20	19	27	30	76	44	452	553	236	110	23	8.2	8.5
21	19	30	38	63	38	415	529	216	102	21	8.8	8.8
22	19	32	35	60	35	386	571	212	92	18	9.0	8.5
23	19	34	35	60	36	353	638	209	85	19	8.5	8.4
24	20	33	28	57	39	332	659	212	78	18	8.0	8.5
25	20	31	27	51	45	374	670	227	71	17	7.5	8.5
26	20	30	17	54	47	425	607	254	65	15	7.0	8.5
27	20	31	39	50	46	478	524	301	63	15	7.0	8.5
28	20	33	35	50	47	522	452	333	58	15	6.7	9.2
29	20	33	41	43	------	459	401	330	54	15	6.5	10
30	20	35	38	49	------	452	422	303	51	16	6.8	10
31	20	------	36	50	------	442	------	272	------	15	6.8	------
TOTAL	598	957	985	1,475	1,193	8,889	13,382	12,107	4,277	875	310.0	245.8
MEAN	19.3	31.9	31.8	47.6	42.6	287	446	391	143	28.2	10.0	8.19
MAX	24	43	41	84	51	607	670	672	250	48	17	10
MIN	17	21	17	29	35	57	301	209	51	15	6.5	6.9
AC-FT	1,190	1,900	1,950	2,930	2,370	17,630	26,540	24,010	8,480	1,740	615	488

CAL YR 1973 TOTAL 34,235.1 MEAN 93.8 MAX 542 MIN 9.1 AC-FT 67,910
WTR YR 1974 TOTAL 45,293.8 MEAN 124 MAX 672 MIN 6.5 AC-FT 89,840

PEAK DISCHARGE (BASE, 200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-18	0500	5.97	647	5-09	0600	6.16	696
3-27	2300	5.60	562	5-29	0200	4.56	342
4-24	2300	6.18	701				

13174000 Wild Horse Reservoir near Gold Creek, Nev.

LOCATION.--Lat 41°41'10", long 115°51'20", in NE¼NW¼ sec.25, T.44 N., R.54 E., Elko County, at Wild Horse Dam on Owyhee River, 8 mi (13 km) west of Gold Creek, and 12 mi (19 km) southeast of Mountain City.

DRAINAGE AREA.--209 mi^2 (541 km^2).

PERIOD OF RECORD.--March 1938 to current year. Month-end contents for some periods, published in WSP 1317.

GAGE.--Elevations obtained about three times a month, more frequently during irrigation season, from wire-weight gage on dam. Datum of gage is at mean sea level (levels by Bureau of Indian Affairs).

EXTREMES.--Current year: Maximum contents observed, 75,380 acre-ft (92.9 hm^3) Apr. 19, 23, elevation 6,206.2 ft (1,891.65 m); minimum observed, 48,620 acre-ft (59.9 hm^3) Oct. 11, 12, ellevation 6,196.4 ft (1,888.66 m).

Period of record: Maximum contents observed 75,380 acre-ft (92.9 hm^3) Apr. 19, 23, 1974, elevation, 6,206.2 ft (1,891.65 m); no contents at times in each year 1938-41, 1964-65, 1968-69.

REMARKS.--Reservoir is formed by concrete-arch dam; storage began Mar. 18, 1938. New dam completed in June 1969, capacity 71,660 acre-ft (88.4 hm^3) between elevations 6,138.50 (1,871.015 m), sill of outlet gate, and 6,205.00 ft (1,891.284 m) spillway crest. No dead storage. Water is used for irrigation on Duck Valley project.

COOPERATION.--Most of elevation record and basic data for capacity table furnished by Bureau of Indian Affairs.

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								74,440				
2												
3												
4								74,440				
5	49,090											
6												
7												
8												
9				50,520							57,810	
10								74,130				
11	48,620								72,280	62,940		
12	48,620											58,760
13									72,280			
14												
15												
16												
17												
18												
19							75,380					
20									69,570			
21												
22												
23							75,380					
24								73,200				
25					52,720		75,070					
26												58,030
27									67,500			
28		49,090			g 53,870	64,631					53,470	
29	48,380			51,740	------	65,200						
30		g 49,160			------		g 74,540	72,900	g 66,520	60,470		g 49,880
31	g 48,430	------	g 50,210	g 51,670	------	g 66,170	------	g 72,850	------	g 60,200	g 52,930	------
(‡)	-780	+730	+1,050	+1,460	+2,200	+12,300	+8,370	-1,690	-6,330	-6,320	-7,270	-3,050

CALENDAR YEAR 1973 . . . . ‡-6,260
WATER YEAR 1973-74 . . . . ‡ +670

‡ Change in contents, in acre-feet.
g No gage-height record; contents interpolated.

13174500 Owyhee River near Gold Creek, Nev.

LOCATION.--Lat 41°41'20", long 115°50'38", in NE¼NW¼ sec.25, T.44 N., R.54 E., Elko County, on left bank 500 ft (152 m) downstream from Wild Horse Dam, 0.1 mi (0.2 km) upstream from Beaver Creek, 8 mi (13 km) west of Gold Creek, and 12 mi (19 km) southeast of Mountain City.

DRAINAGE AREA.--209 mi^2 (541 km^2).

PERIOD OF RECORD.--March to November 1916, April 1917 to September 1925, October 1936 to current year. Monthly discharge only for some periods, published in WSP 1317.

GAGE.--Water-stage recorder. Datum of gage is 6,118.75 ft (1,864.995 m), Bureau of Reclamation datum. Prior to Oct. 1, 1936, at site 0.3 mi (0.5 km) upstream at different datum. Nov. 17, 1936, to Oct. 18, 1967, at site 0.1 mi (0.2 km) upstream at different datum. Oct. 19, 1967, to Sept. 30, 1971, temporary gage 250 ft (76 m) downstream at different datum, while new dam was being constructed 300 ft (91 m) downstream from old dam.

AVERAGE DISCHARGE.--46 years (1917-25, 1936-74), 41.6 ft^3/s (1.178 m^3/s), 30,140 acre-ft/yr (37.2 hm^3/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 565 ft^3/s (16.0 m^3/s) Apr. 21, gage height, 3.45 ft (1.052 m); minimum daily, 2.6 ft^3/s (0.074 m^3/s) Oct. 24-27, Feb. 12-22.

Period of record: Maximum discharge, 1,810 ft^3/s (51.3 m^3/s) May 5, 1922, gage height, 10.11 ft (3.082 m), site and datum then in use; no flow at times when reservoir gates were closed.

REMARKS.--Records good. Small diversions for irrigation above station. Flow regulated by Wild Horse Reservoir 0.1 mi (0.2 km) upstream beginning Mar. 18, 1938.

REVISIONS (WATER YEARS).--WSP 1317: 1939-42 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	3.0	2.7	3.0	2.7	2.7	3.0	236	61	159	103	128
2	20	3.0	2.7	3.0	2.7	2.7	3.0	230	57	158	102	130
3	20	3.0	2.7	3.0	2.7	2.7	3.0	220	52	159	103	87
4	20	3.0	2.7	3.0	2.7	2.7	3.0	214	48	161	103	28
5	20	3.0	3.0	3.0	2.7	2.7	3.0	211	46	162	102	28
6	20	3.0	3.0	3.0	2.7	2.7	3.5	206	45	161	97	27
7	20	3.0	3.0	3.0	2.7	2.7	19	208	38	163	91	27
8	20	3.0	3.0	3.0	2.7	2.7	60	208	36	106	90	27
9	20	3.0	3.0	3.0	2.7	2.7	126	211	34	35	56	27
10	20	3.0	3.0	3.0	2.7	2.7	170	211	31	34	33	27
11	20	3.0	3.0	3.0	2.7	2.7	185	208	28	34	33	19
12	13	3.0	3.0	3.0	2.6	2.7	215	197	27	34	44	7.9
13	3.7	3.0	3.0	3.0	2.6	2.7	215	184	95	34	87	7.1
14	3.7	3.0	3.0	3.0	2.6	2.7	230	176	156	34	106	7.1
15	3.7	3.0	3.0	3.0	2.6	2.7	251	161	166	34	107	7.1
16	3.7	3.0	3.0	3.0	2.6	2.7	245	154	166	34	104	7.1
17	3.7	3.0	3.0	3.0	2.6	2.7	257	145	164	34	104	7.1
18	3.7	3.0	3.0	3.0	2.6	3.0	374	134	164	25	102	7.1
19	3.7	3.0	3.0	3.0	2.6	3.0	465	125	164	14	103	7.1
20	3.7	3.0	3.0	3.0	2.6	3.0	450	115	161	14	103	6.9
21	3.7	3.0	3.0	3.0	2.6	3.0	420	111	164	14	102	6.8
22	3.7	3.0	3.0	3.0	2.6	3.0	464	104	164	24	103	6.8
23	3.2	3.0	3.0	3.0	2.7	3.0	406	100	161	68	103	6.8
24	2.6	3.0	3.0	3.0	2.7	3.0	374	95	161	106	104	6.8
25	2.6	3.0	3.0	3.0	2.7	3.0	315	88	161	105	103	6.5
26	2.6	3.0	3.0	2.7	2.7	3.0	315	88	161	105	102	6.4
27	2.6	3.0	3.0	2.7	2.7	3.0	343	84	161	105	115	6.4
28	2.7	3.0	3.0	2.7	2.7	3.0	326	80	162	104	129	6.4
29	3.0	2.7	3.0	2.7	------	3.0	287	78	161	104	128	6.4
30	3.0	2.7	3.0	2.7	------	3.0	245	72	159	104	128	6.4
31	3.0	------	3.0	2.7	------	3.0	------	65	------	104	128	------
TOTAL	295.3	89.4	91.8	91.2	74.5	87.9	6,775.5	4,719	3,354	2,532	3,018	685.2
MEAN	9.53	2.98	2.96	2.94	2.66	2.84	226	152	112	81.7	97.4	22.8
MAX	20	3.0	3.0	3.0	2.7	3.0	465	236	166	163	129	130
MIN	2.6	2.7	2.7	2.7	2.6	2.7	3.0	65	27	14	33	6.4
AC-FT	586	177	182	181	148	174	13,440	9,360	6,650	5,020	5,990	1,360

CAL YR 1973 TOTAL 15,909.7 MEAN 43.6 MAX 204 MIN 2.6 AC-FT 31,560
WTR YR 1974 TOTAL 21,813.8 MEAN 59.8 MAX 465 MIN 2.6 AC-FT 43,270

13174900 Owyhee River at Patsville, Nev.

LOCATION.--Lat 41°48'35", long 115°57'20", in NW¼SE¼ sec.12, T.45 N., R.53 E., Elko County, on left bank, 100 ft (30 m) downstream from Rio Tinto Mine road (off State Highway 11-A), 0.1 mi (0.2 km) upstream from Mill Creek, and in Patsville.

DRAINAGE AREA.--305 mi² (790 km²), approximately.

PERIOD OF RECORD.--December 1971 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,650 ft (1,720 m), from topographic map.

EXTREMES.--Current year: Maximum discharge, 744 ft³/s (21.1 m³/s) Apr. 25, gage height, 5.56 ft (1.695 m); minimum daily, 8.5 ft³/s (0.24 m³/s) Sept. 26, 27.

Period of record: Maximum discharge, 958 ft³/s (27.1 m³/s) Mar. 3, 1972, gage height, 7.06 ft (2.152 m); minimum, 8.5 ft³/s (0.24 m³/s) Dec. 27, 31, 1971, Jan. 3, 1972, Sept. 27, 1974.

REMARKS.--Records good. Flow partly regulated by Wild Horse Reservoir.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	20	20	21	38	100	276	448	176	162	106	131
2	31	18	19	20	37	148	288	480	166	164	108	131
3	31	16	18	19	37	102	232	480	157	159	106	122
4	32	16	18	19	35	76	229	458	152	161	99	48
5	32	17	19	20	30	78	236	468	158	157	100	43
6	31	18	20	21	29	104	231	478	158	157	100	42
7	32	23	20	21	27	96	210	486	141	155	96	44
8	32	30	21	20	28	83	236	521	133	141	97	43
9	32	23	21	19	26	73	285	546	122	70	82	42
10	32	20	22	19	26	81	309	539	104	72	48	42
11	32	18	23	20	27	108	319	476	86	73	41	40
12	32	20	23	21	29	161	352	440	84	66	37	18
13	21	21	23	22	30	171	343	398	116	58	73	12
14	18	20	22	22	30	197	346	363	180	60	102	10
15	18	19	22	26	29	363	370	332	207	63	103	10
16	17	20	23	48	27	402	414	301	205	64	100	10
17	18	22	21	78	27	382	482	276	200	59	100	10
18	18	26	21	70	29	372	592	255	192	58	98	11
19	18	21	20	168	29	298	671	236	186	39	98	10
20	17	17	24	126	27	258	638	226	188	34	98	10
21	17	20	23	84	26	218	607	212	188	32	98	10
22	17	20	23	72	25	202	634	202	188	30	99	9.5
23	18	20	22	62	24	188	684	199	185	62	104	10
24	19	19	20	56	24	179	708	197	179	110	100	9.5
25	19	20	19	54	25	191	696	196	176	111	102	9.5
26	18	20	19	47	26	226	642	210	173	111	100	8.5
27	18	20	20	45	27	239	576	231	171	112	105	8.5
28	17	20	27	44	33	237	513	226	168	110	129	10
29	17	20	30	44	------	220	462	223	162	108	131	12
30	17	20	26	42	------	234	444	210	161	106	130	12
31	17	------	23	40	------	221	------	192	------	106	130	------
TOTAL	720	604	672	1,390	807	6,008	13,025	10,505	4,862	2,970	3,020	928.5
MEAN	23.2	20.1	21.7	44.8	28.8	194	434	339	162	95.8	97.4	31.0
MAX	32	30	30	168	38	402	708	546	207	164	131	131
MIN	17	16	18	19	24	73	210	192	84	30	37	8.5
AC-FT	1,430	1,200	1,330	2,760	1,600	11,920	25,840	20,840	9,640	5,890	5,990	1,840

CAL YR 1973 TOTAL 30,954.0 MEAN 84.8 MAX 424 MIN 16 AC-FT 61,400
WTR YR 1974 TOTAL 45,511.5 MEAN 125 MAX 708 MIN 8.5 AC-FT 90,270

13176000 Owyhee River above China diversion dam, near Owyhee, Nev.

LOCATION.--Lat 41°55'20", long 116°04'10", in NW¼ sec.6, T.46 N., R.53 E., Elko County, on right bank 1,000 ft (305 m) downstream from Skull Creek, 1 mi (1.6 km) upstream from China diversion dam, and 2 mi (3.2 km) southeast of Owyhee.

DRAINAGE AREA.--458 mi^2 (1,186 km^2).

PERIOD OF RECORD.--March 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,425 ft (1,654 m) above mean sea level, unadjusted. Prior to Oct. 1, 1939, at datum 1.48 ft (0.451 m) higher.

AVERAGE DISCHARGE.--35 years, 143 ft^3/s (4.050 m^3/s), 103,600 acre-ft/yr (128 hm^3/yr).

EXTREMES.--Current year: Maximum discharge, 1,100 ft^3/s (31.2 m^3/s) Apr. 25, gage height, 8.72 ft (2.658 m); minimum daily, 13 ft^3/s (0.37 m^3/s) Sept. 27.

Period of record: Maximum discharge, 2,710 ft^3/s (76.7 m^3/s) May 3 or 4, 1952, gage height, 10.07 ft (3.069 m); minimum, 1.8 ft^3/s (0.051 m^3/s) Nov. 16, 1961.

REMARKS.--Records good except those for winter months, which are poor. Numerous diversions above station for irrigation. Flow partly regulated by Wild Horse Reservoir.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	27	37	35	71	125	446	697	270	177	107	136
2	37	27	34	33	71	274	584	772	253	180	110	136
3	37	23	35	32	76	185	453	801	240	175	109	139
4	38	23	35	32	80	139	392	772	233	174	102	77
5	38	24	34	33	70	135	436	798	234	172	103	50
6	37	26	35	34	58	168	446	832	241	170	105	47
7	38	35	36	34	54	172	393	856	217	170	104	46
8	40	44	36	32	55	139	404	909	204	168	101	46
9	40	38	31	32	53	114	470	950	187	103	99	45
10	39	31	35	32	53	125	487	931	168	86	63	44
11	38	29	42	33	58	160	499	846	148	89	48	43
12	39	32	40	34	63	233	544	764	145	84	45	35
13	35	34	38	37	64	303	512	679	142	70	56	21
14	24	33	35	39	61	298	517	620	218	69	101	18
15	23	31	36	40	58	570	539	574	244	69	109	17
16	23	31	38	70	53	709	588	515	245	75	108	16
17	22	34	38	130	53	724	671	461	238	69	106	16
18	21	40	39	209	55	671	816	419	232	66	105	15
19	22	35	38	341	55	547	926	379	216	59	105	16
20	21	31	40	378	52	481	937	352	216	45	105	15
21	22	32	41	239	51	408	892	318	217	41	105	15
22	21	33	40	180	45	375	909	298	216	39	105	14
23	23	34	39	150	43	348	988	293	212	46	109	14
24	25	32	37	130	42	328	1,060	288	205	100	106	14
25	24	31	35	120	45	378	1,070	294	200	116	104	14
26	23	32	34	109	48	433	1,010	308	197	116	103	14
27	22	35	38	100	53	466	900	324	194	118	104	13
28	21	38	44	95	56	483	806	336	187	116	128	15
29	23	36	50	95	------	407	707	335	181	113	135	16
30	23	37	43	90	------	446	677	313	175	111	135	17
31	23	------	38	84	------	436	------	292	------	107	135	------
TOTAL	900	968	1,171	3,032	1,596	10,780	20,079	17,326	6,275	3,293	3,160	1,124
MEAN	29.0	32.3	37.8	97.8	57.0	348	669	559	209	106	102	37.5
MAX	40	44	50	378	80	724	1,070	950	270	180	135	139
MIN	21	23	31	32	42	114	392	288	142	39	45	13
AC-FT	1,790	1,920	2,320	6,010	3,170	21,380	39,830	34,370	12,450	6,530	6,270	2,230

CAL YR 1973 TOTAL 48,547 MEAN 133 MAX 665 MIN 21 AC-FT 96,290
WTR YR 1974 TOTAL 69,704 MEAN 191 MAX 1,070 MIN 13 AC-FT 138,300

13177800 South Fork Owyhee River near Whiterock, Nev.

LOCATION.--Lat 41°48'00", long 116°29'00", in NW¼ sec.16, T.45 N., R.49 E., Elko County, on left bank 500 ft (152 m) downstream from Rye Grass Creek, 1.8 mi (2.9 km) upstream from Chimney Creek, and 17 mi (27 km) northwest of Whiterock.

DRAINAGE AREA.--1,080 mi² (2,800 km²), approximately.

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,900 ft (1,490 m), from topographic map.

AVERAGE DISCHARGE.--19 years, 161 ft³/s (4.560 m³/s), 116,600 acre-ft/yr (144 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 735 ft³/s (20.8 m³/s) Apr. 4, gage height, 3.92 ft (1.195 m); maximum gage height, 4.80 ft (1.463 m) Jan. 16 (backwater from ice); minimum discharge, 11 ft³/s (0.31 m³/s) July 31.
Period of record: Maximum discharge, 3,830 ft³/s (108 m³/s) June 5, 1963, gage height, 7.55 ft (2.301 m); no flow Oct. 1-12, 1955, part of Sept. 17, 28, 1960, Aug. 27, 31, 1961.

REMARKS.--Records good except those for winter months, which are poor. Many diversions for irrigation of hay meadows above station. Flow partly regulated by four small reservoirs, total capacity, about 16,100 acre-ft (19.8 hm³).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	65	66	40	120	170	595	[illegible]	222	35	13	13
2	63	66	60	37	110	250	647	608	197	39	13	13
3	63	69	55	39	96	225	711	608	196	69	15	13
4	65	65	56	38	100	190	710	426	189	52	17	13
5	64	60	56	40	97	210	676	390	201	50	18	12
6	61	68	56	42	85	305	632	612	215	47	21	11
7	63	56	70	40	87	376	631	636	187	50	25	12
8	73	57	66	35	90	282	[illegible]	603	170	54	31	12
9	72	57	59	37	88	221	[illegible]	[illegible]	151	60	35	12
10	68	52	49	45	91	239	[illegible]	[illegible]	126	83	32	12
11	62	51	50	50	95	251	[illegible]	601	[illegible]	[illegible]	[illegible]	12
12	62	55	50	60	100	[illegible]	[illegible]	[illegible]	[illegible]	93	28	13
13	62	60	53	75	100	441	[illegible]	[illegible]	[illegible]	79	25	13
14	61	59	51	110	95	365	[illegible]	[illegible]	50	53	23	13
15	[illegible]	[illegible]	48	[illegible]	[illegible]	[illegible]	610	[illegible]	45	[illegible]	[illegible]	14
16	[illegible]	[illegible]	51	[illegible]	105	510	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16
17	[illegible]	59	[illegible]	[illegible]	102	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15
18	58	[illegible]	[illegible]	[illegible]	100	[illegible]	615	[illegible]	[illegible]	[illegible]	[illegible]	15
19	[illegible]	71	63	[illegible]	100	[illegible]	[illegible]	[illegible]	[illegible]	37	[illegible]	15
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18
21	[illegible]	[illegible]	[illegible]	[illegible]	90	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18
22	[illegible]	[illegible]	[illegible]	[illegible]	80	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	17
23	[illegible]	[illegible]	[illegible]	127	85	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	17
24	[illegible]	[illegible]	[illegible]	[illegible]	85	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	110	110	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	------	[illegible]	[illegible]	------	[illegible]	------	[illegible]	------	[illegible]	[illegible]	------
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	711	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MIN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11
AC-FT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CAL YR 1973 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] AC-FT [illegible]
WTR YR 1974 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN 11 AC-FT [illegible]

PEAK DISCHARGE (BASE, [illegible])

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NOTE.--No gage-height record [illegible].

13181000 OWYHEE RIVER NEAR ROME, OREG.

LOCATION.--Lat 42°52'00", long 117°39'00", in SE¼NE¼ sec.14, T.31 S., R.41 E., Malheur County, on right bank 0.5 mi (0.8 km) downstream from Jordan Creek, 2.6 mi (4.2 km) north of Rome, and at mile 117.0 (188.3 km).

DRAINAGE AREA.--About 8,000 mi² (20,700 km²).

PERIOD OF RECORD.--October 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,344.20 ft (1,019.312 m) above mean sea level. Prior to Feb. 10, 1960, at datum 0.24 ft (0.073 m) lower.

AVERAGE DISCHARGE.--25 years, 904 ft³/s (25.6 m³/s), 654,900 acre-ft/yr (807 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 16,600 ft³/s (470 m³/s) Mar. 17, gage height, 12.65 ft (3.856 m); minimum, 88 ft³/s (2.49 m³/s) Sept. 30.

Period of record: Maximum discharge, 33,500 ft³/s (949 m³/s) Dec. 24, 1964, gage height, 16.7 ft (5.09 m), from floodmark; minimum, 42 ft³/s (1.19 m³/s) Aug. 12, 1954, July 28, Aug. 5, 1961, July 31, 1968.

REMARKS.--Records good. Flow regulated by Antelope Reservoir, capacity, 70,000 acre-ft (86.3 hm³), increased in 1970, and Wild Horse Reservoir, capacity, 32,690 acre-ft (40.3 hm³), and numerous small reservoirs. Diversions above station for irrigation. Records of water temperatures for the current year are published in Part 2 of this report.

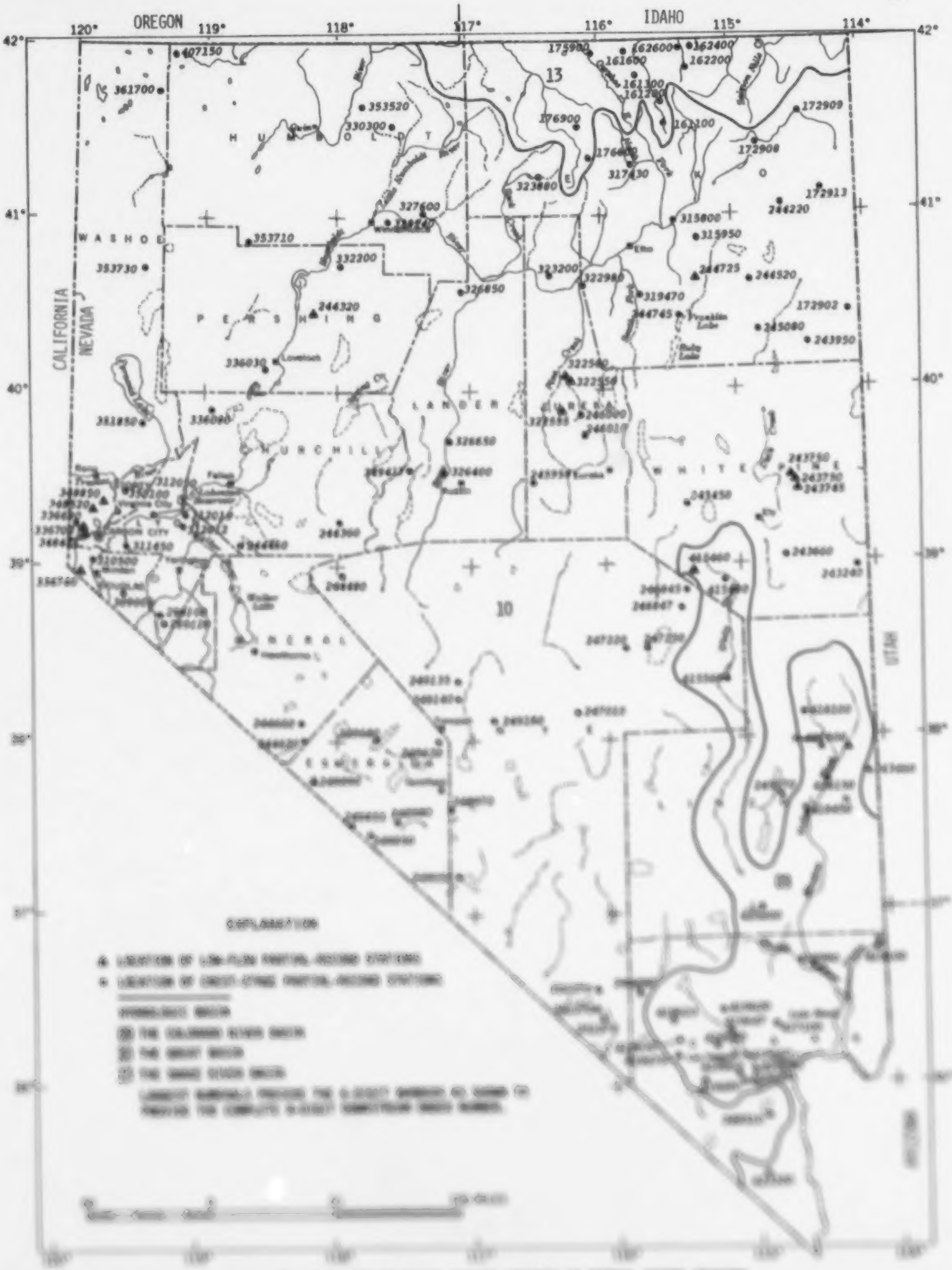
DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	209	176	361	385	547	788	5,910	2,660	590	171	124	130
2	202	171	416	267	523	3,790	6,300	2,650	560	156	133	127
3	193	171	393	200	466	3,720	7,120	2,650	530	156	135	130
4	196	168	397	189	428	2,500	9,710	2,590	500	159	130	130
5	189	165	369	180	365	1,800	9,150	2,510	480	162	127	121
6	186	176	337	250	325	1,620	5,600	2,500	450	168	127	121
7	193	180	309	282	301	2,310	4,900	2,690	430	176	127	127
8	193	186	286	290	341	2,500	4,040	2,650	410	193	135	130
9	196	189	313	267	365	2,090	3,890	2,660	390	206	159	130
10	193	301	313	276	341	1,540	3,770	2,540	370	227	153	135
11	196	240	301	317	357	1,950	3,650	2,660	360	237	153	126
12	205	239	286	353	365	3,340	3,260	2,340	360	273	162	115
13	202	226	271	393	366	7,160	3,260	2,260	325	292	180	118
14	199	313	271	416	357	6,250	3,060	2,160	310	304	190	121
15	196	276	267	576	353	6,070	2,870	1,960	300	300	183	133
16	196	260	250	1,350	365	13,400	2,910	1,780	285	308	165	161
17	196	260	260	3,000	393	16,300	2,960	1,650	275	251	153	161
18	193	267	260	5,360	423	13,700	3,110	1,560	265	223	166	161
19	186	313	305	3,710	432	12,300	3,050	1,610	256	209	133	130
20	186	357	290	3,060	432	10,600	3,710	1,280	245	190	130	130
21	186	317	282	2,000	428	8,070	3,730	1,180	235	183	130	135
22	183	301	276	1,420	423	8,970	3,560	1,090	230	187	153	133
23	183	263	301	1,160	393	8,930	3,520	1,070	225	177	155	130
24	180	280	325	948	357	8,630	3,560	951	220	165	162	126
25	180	276	325	861	317	8,660	3,610	910	210	165	162	115
26	183	290	320	865	333	7,860	3,690	880	193	168	162	110
27	186	329	310	756	346	8,160	3,380	880	183	179	150	110
28	183	337	290	673	346	7,670	3,170	750	180	168	138	107
29	183	310	305	585	------	8,630	2,890	730	183	153	133	98
30	177	305	610	551	------	8,610	2,780	886	176	166	129	96
31	176	------	500	566	------	7,090	------	830	------	138	127	------
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	209	357	416	5,360	547	16,300	9,710	2,690	590	308	190	161
MIN	176	165	250	180	301	788	2,780	730	176	138	124	96
AC-FT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CAL YR 1973 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] AC-FT [illegible]
WTR YR 1974 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] AC-FT [illegible]

PEAK DISCHARGE (BASE, [illegible] CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]				



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As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analysis, the site at which the data are collected is called a partial-record station. Data collected at these partial record-stations are usable in low-flow or flood-flow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give a better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. Discharge measurements made at miscellaneous sites for both low and high flow are given in a third table.

Low-flow partial-record stations

Measurements of streamflow in the State at low-flow partial-record stations are given in the following table. Generally, this category is used mostly for low-flow analysis when streamflow is primarily from ground-water storage so that the low-flow potentiality of the stream may be obtained by comparison with a nearby stream where continuous records are available. In this State, measurements are included at various stages so that a general picture of the annual streamflow characteristics may be obtained by similar comparison. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1974

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
		Virgin River basin				
09415460	White River near Red Mountain, near Preston, Nev.	Lat 38°56'35", long115°20'25", in NW¼SE¼ sec.33, T.13 N., R.59 E., White Pine County, at campsite 8.0 mi (12.9km) northwest of State Highway 6 and 15 mi (4 km) northwest of Preston.	18.6	1965-74	12-12-73 1-29-74 3-19-74 5-15-74 6-13-74 8-21-74	1.95 1.90 1.70 1.83 4.74 .82
09417000	Meadow Valley Wash at Echo Point, near Ursine, Nev.	Lat 37°54'30", long114°15'40", in SW¼SW¼ sec.28, T.1 N., R.69 E., Lincoln County, at Echo Point, above Echo Reservoir, and 6.0 mi (9.7 km) southeast of Ursine.	354	1970-74	11-10-73 1-12-74 4- 9-74	.71 5.34 6.19
		Spring Valley				
10243745	Odgers Creek near McGill, Nev.	Lat 39°24'00", long 114°31'48", in NE¼ sec.27, T.18 N., R.64 E., White Pine County, at mouth of canyon, and 14 mi 23 km) east of McGill.	3.9	1973-74	10-30-73 12-11-73 1-30-74 3-18-74 5-16-74 6-12-74 8-20-74	1.70 1.20 1.00 1.57 2.27 5.68 1.46
10243750	Bassett Creek near McGill, Nev.	Lat 39°26'20", long 114°32'30", in NW¼SW¼ sec.10, T.18 N., R.64 E., White Pine County, 2.4 mi (3.9 km) upstream from State secondary 738 and 13 mi (21 km) northeast of McGill.	6.5	1966-74	10-30-73 1-30-74 3-18-74 5-16-74 6-12-74 8-20-74	4.51 2.19 2.83 10.9 9.83 2.94
[illegible]	[illegible] Creek near McGill, Nev.	[illegible]	7.5	1973-74	5-16-74 6-12-74 8-20-74	6.32 4.23 .52
		[illegible] Valley				
[illegible]	[illegible] Creek near Ruby Valley, Nev.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		Humboldt River basin				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] Estimated.

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Discharge measurements made at low-flow partial-record stations during water year 1974--continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Pyramid and Winnemucca Lakes basin						
10336700	Incline Creek near Crystal Bay, Nev.	Lat 39°14'25", long 119°56'38", in SW¼NE¼ sec.22, T.16 N., R.18 E., Washoe County, 500 ft (150 m) upstream from culvert on Lakeshore Boulevard, 1,000 ft (300 m) upstream from mouth, just below confluence with major tributary, and 3 mi (5 km) east of Crystal Bay.	7.0	1966-69, 1969-73‡, 1973-74	8-21-74 9-16-74	3.73 4.49
10336760	Edgewood Creek at Stateline, Nev.	Lat 38°58'00", long 119°56'10", in NE¼NE¼ sec.27, T.13 N., R.18 E., Douglas County, on upstream side of culvert on U.S. Highway 50 and 0.5 mi (0.8 km) northeast of Stateline.	5.5	1967-74	10- 4-73 11- 8-73 1- 8-74 3- 8-74 4-12-74 5- 9-74 6-26-74 7-24-74 8-22-74	3.22 5.04 4.05 5.26 8.80 12.0 3.65 2.56 2.54
10348480	McCrays Canyon near Carson City, Nev.	Lat 39°12'13", long 119°52'48", in SW¼SW¼ sec.32, T.16 N., R.19 E., Washoe County, 0.5 mi (0.8 km) upstream from mouth, and 6.5 mi (10.5 km) west-northwest of Carson City.	.64	1974	12- 5-73 12-20-73 1-11-74 2- 3-74 3-14-74 5- 3-74 5-31-74 6- 6-74 7-11-74 8-15-74 9-16-74	.14 .11 .13 .15 0 .68 5.60 4.16 1.06 .46 .22
10348520	Ophir Creek near Steamboat, Nev.	Lat 39°17'25", long 119°49'50", in SE¼SE¼ sec.34, T.17 N., R.19 E., Washoe County, at toe of hill and 8.0 mi (12.9 km) southwest of Steamboat.	4.2	1972-74	12-20-73 3-20-74 4-19-74 9-19-74	3.38 5.10 10.2 .48
10348850	Browns Creek near Steamboat, Nev.	Lat 39°20'28", long 119°49'05", in SE¼NW¼ sec.14, T.17 N., R.19 E., Washoe County, 1.5 mi (2.4 km) upstream from mouth and 5.0 mi (8.0 km) southwest of Steamboat.	3.6	1972-74	12-20-73 3-20-74 4-19-74 9-19-74	7.96 10.0 3.70 .88

‡ Operated as a continuous record station.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water year for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Virgin River basin					
09415100	Pulsipher Wash near Mesquite, Nev.	Lat 36°48'04", long 114°06'27", in NW¼SW¼ sec.18, T.13 S., R.71 E., Clark County, at culvert on U.S. Highway 91 and 2.5 miles west of Mesquite.	4.58	1963-74	1974	–	0
09415480	White River tributary near Preston, Nev.	Lat 38°53'30", long 115°11'40", in N½ sec.23, T.12 N., R.60 E., White Pine County, at culvert on U.S. Highway 6, 2 miles upstream from White River, and 7.5 miles west of Preston.	c26	1962-74	1974	–	0
09415560	White River tributary near Sunnyside, Nev.	Lat 38°19'30", long 115°02'50", Nye County, about 0.4 mile downstream from ford on State Highway 38, 8 miles south of Sunnyside, and 37 miles south of Lund.	c20	1967-74	1974	–	0
09415800	Muddy River tributary near Alamo, Nev.	Lat 37°02'00", long 114°58'50", Lincoln County, at abandoned culvert on former U.S. Highway 93 and 25 miles southeast of Alamo.	c2	1964-74	1974	–	0
09417100	Dry Lake tributary near Nellis Air Force Base, Nev.	Lat 36°21'13", long 114°34'32", in NW¼SE¼ sec.26, T.18 S., R.63 E., Clark County, at bridge on Union Pacific Railroad spur, 0.1 mile north of U.S. Highway 91 and 93, and 11 miles northeast of Nellis Air Force Base.	10.0	1964-74	7-23-74	–	180
09418100	Patterson Wash tributary near Pioche, Nev.	Lat 38°09'00", long 114°35'10", Lincoln County, at culvert on U.S. Highway 93 and 15 miles northwest of Pioche.	c3	1964-74	1974	–	0
09418130	Canalton Wash near Panaca, Nev.	Lat 37°45'30", long 114°23'30", on section line common to sec.19, T.2 S., R.68 E., and sec.24, T.2 S., R.67 E., Lincoln County, 50 ft downstream from U.S. Highway 93 and 3 miles southwest of Panaca.	c75	1963-74	1-28-74	b2.62	b4
09418450	Meadow Valley Wash tributary near Caliente, Nev.	Lat 37°36'00", long 114°39'30", in sec.13, T.4 S., R.65 E., Lincoln County, at abandoned culvert, about 100 ft upstream from U.S. Highway 93, 1.2 miles east of Oak Springs Summit, and 9 miles west of Caliente.	c<0.5	1964-74	1974	–	0
[illegible]	Weiser Wash near Glendale, Nev.	Lat 36°40'05", long 114°32'10", in SW¼SW¼ sec.31, T.14 S., R.67 E., Clark County, at culvert on Interstate Highway 15 and 2 miles east of Glendale.	c43	1966-74	–	–	0
		Las Vegas Valley					
[illegible]	[illegible] Wash near Las Vegas, Nev.	Lat 36°24'43", long 115°13'10", in [illegible] sec.27, T.17 S., R.60 E., Clark County, above [illegible] road crossing, 6 miles east of Corn Creek Springs National Fish and Wildlife Service Headquarters, and 20 miles north of Las Vegas.	c113	1962-74	7-23-74	–	[illegible]
[illegible]	[illegible] Creek near Charleston Park, Nev.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible] Canyon near Charleston Park, Nev.	[illegible]	[illegible]	[illegible]	[illegible]	–	[illegible]

b [illegible]
c [illegible]

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
		Las Vegas Valley--Continued					
09419640	Kyle Canyon near Charleston Park, Nev.	Lat 36°16'40", long 115°28'10", in SE¼SW¼ sec.22, T.19 S., R.58 E., Clark County, 650 ft below culvert on State Highway 39 and 10 miles east of Charleston Park.	35.9	1961-74	1974	—	0
09419647	Las Vegas Wash tributary near North Las Vegas, Nev.	Lat 36°18'10", long 115°08'20", in NW¼NE¼ sec.15, T.19 S., R.61 E., Clark County, 0.5 mile southwest of end of road in Nellis Air Force Base Ground Gunnery Range and 7.5 miles north of North Las Vegas.	c62	1963-74	7-23-74	1.75	b3
09419660	Las Vegas Wash tributary near Nellis Air Force Base, Nev.	Lat 36°13'55", long 115°04'05", in NW¼NE¼ sec.8, T.20 S., R.62 E., Clark County, at culvert on Alternate U.S. Highway 91 and 93 and 1.5 miles southwest of Nellis Air Force Base.	18.1	1961-74	1974	—	0
09419663	Las Vegas Wash tributary south of Nellis Air Force Base, Nev.	Lat 36°11'40", long 115°01'30", near section line common to secs. 22 and 23, T.20 S., R.62 E., Clark County, 0.1 mile south of Lake Mead Boulevard and 3.7 miles south of main gate of Nellis Air Force Base.	c1.2	1963-74	7-23-74	3.05	b90
09419670	Red Rock Wash near Blue Diamond, Nev.	Lat 36°09'30", long 115°29'45", in NE¼NW¼ sec.4, T.21 S., R.58 E., Clark County, 0.2 mile southeast of Willow Spring and 9.3 miles northwest of Blue Diamond.	8.09	1962-74	7-23-74	—	940
09419675	Flamingo Wash at Las Vegas, Nev.	Lat 36°06'56", 115°11'03", in SW¼ sec.17, T.21 S., R.61 E., Clark County, 80 ft upstream from Union Pacific Railroad bridge and 4 miles southwest of Las Vegas Post Office.	c86	1966-74	1974	—	0
09419678	Flamingo Wash near mouth at Las Vegas, Nev.	Lat 36°08'28", long 115°03'47", in NW¼NW¼ sec.7, T.21 S., R.62 E., Clark County, 120 ft upstream from culvert on U.S. Highway 93, 95, and 466 and 3.2 miles southeast of Las Vegas Post Office.	c117	1969-74	7-23-74	5.94	b180
09419680	Cottonwood Valley near Blue Diamond, Nev.	Lat 36°00'35", long 115°25'30", in NE¼NW¼ sec.25, T.22 S., R.58 E., Clark County, at culverts on Cottonwood Valley Road and 3 miles southwest of Blue Diamond.	18.3	1961-74	1974	—	0
09419690	Duck Creek at Whitney, Nev.	Lat 36°05'09", long 115°02'00", in NW¼SE¼ sec.34, T.21 S., R.62 E., Clark County, at culvert on U.S. Highway 93, 95, and 466 and 0.7 mile southeast of Whitney.	230	1961-74	7-20-74	4.57	500
09419697	Las Vegas Wash tributary near Henderson, Nev.	Lat 36°01'53", long 115°01'40", in NW¼SE¼ sec.13, T.22 S., R.62 E., Clark County, at culvert on State Highway 41 and 3.5 miles east of downtown Henderson.	3.17	1963-74	1974	—	0
		Piute Valley					
[illegible]	Piute Wash tributary at Searchlight, Nev.	Lat 35°28'00", long 114°56'00", in [illegible] sec.[illegible], T.28 S., R.63 E., Clark County, at culvert on State Highway 68 and 1 mile west of Searchlight.	5.6	1963-74	7-23-74	7.42	125

b Contracted.
c Approximately.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Great Salt Lake Desert					
10172902	Dead Cedar Wash near Wendover, Utah	Lat 40°25'00", long 114°11'20", in N½ sec.4, T.29 N., R.69 E., Elko County, Nev., at culvert on Alternate U.S. Highway 50 and 23.5 miles southwest of Wendover, Utah.	c5	1961-74	1974	—	0
10172908	Thousand Springs Creek at Wilkins, Nev.	Lat 41°25'15", long 114°45'00", in SE¼ sec.20, T.41 N., R.64 E., Elko County, at culvert on U.S. Highway 93, south of Wilkins, and 24 miles northeast of Wells.	c79	1968-74	1974	3.72	—
10172909	Burnt Creek near Shores, Nev.	Lat 41°33'35", long 114°29'35", Elko County, at culvert, 16 miles east of Shores, and 40 miles northeast of Wells.	10.5	1968-74	3- -74	2.30	b1
10172913	Loray Wash tributary near Cobre, Nev.	Lat 41°07'27", long 114°20'40", in SE¼SW¼ sec.36, T.38 N., R.67 E., Elko County, at culvert on State Highway 30 and 3 miles east of Cobre.	c24	1961-74	3- 2-74	5.24	150
		Escalante Valley					
10242460	Escalante Valley tributary near Panaca, Nev.	Lat 37°44'10", long 114°08'20", Lincoln County at culvert on State Highway 25, 3.5 miles east of Modena Summit, 5 miles west of Nevada-Utah boundary, and 14 miles east of Panaca.	c7.9	1964-74	7-20-74	5.48	b29
		Snake Valley					
10243240	Baker Creek at narrows, near Baker, Nev.	Lat 38°59'25", long 114°12'35", in NE¼ sec.22, T.13 N., R.69 E., White Pine County, at narrows, 1,200 ft below Pole Canyon, and 5.2 miles southwest of Baker.	16.4	1948-55†, 1960-74	1974	1.54	14
		Spring Valley					
10243660	Connors Pass Creek near Shoshone, Nev.	Lat 39°02'35", long 114°38'00", in SW¼SW¼ sec.25, T.14 N., R.63 E., White Pine County, at culvert on U.S. Highway 6, 50, and 93 and 18.5 miles northwest of Shoshone.	0.45	1962-74	1974	—	0
10243700	Cleve Creek near Ely, Nev.	Lat 39°12'50", long 114°32'20", in NW¼ sec.34, T.16 N., R.66 E., White Pine County, 2 miles downstream from North Fork and 18 miles east of Ely.	31.8	1914-16†, 1960-67†, 1968-74	1-30-74	3.29	70
		Antelope Valley (Northern Part)					
10243950	Millick Canyon tributary near Currie, Nev.	Lat 40°13'30", long 114°26'10", near center of sec.8, T.27 N., R.67 E., Elko County, at culvert on Alternate U.S. Highway 50 and 17 miles east of Currie.	c1.4	1965, 1968-74	1974	—	0
		Clover and Independence Valleys					
10244220	Maverick Canyon near Oasis, Nev.	Lat 41°04'32", long 114°35'14", in SW¼NW¼ sec.23, T.37 N., R.65 E., Elko County, at culvert on U.S. Highway 40 and 6 miles northeast of Oasis.	3.02	1968-74	1974	—	0
10244240	Clover Valley tributary near Arthur, Nev.	Lat 40°33'20", long 114°57'40", in [illegible] sec.13, T.31 N., R.62 E., Elko County, at culvert on U.S. Highway 93 and 21 miles southeast of Arthur.	c9	1968-74	3- 3-74	3.66	33
		Dixie Valley basin					
[illegible]	Dixie Valley tributary near Eastgate, Nev.	Lat [illegible], long [illegible], in [illegible] sec.[illegible], T.[illegible] N., R.[illegible] E., Churchill County, at culvert on U.S. Highway 50 and 6 miles west of Eastgate.	c11	[illegible]	[illegible]	—	[illegible]

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† Operated as a continuous-record station.
b Estimated.
c Approximately.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Rawhide Flats					
10244460	Rawhide Flats tributary near Schurz, Nev.	Lat 39°08'40", long 118°44'55", in S½SW¼ sec.21, T.15 N., R.29 E., Churchill County, at culvert on U.S. Highway 95 and 14 miles north of Schurz.	0.96	1967-74	1974	–	0
		Gabbs Valley					
10244480	Gabbs Valley tributary near Gabbs, Nev.	Lat 38°59'45", long 117°59'45", in sec.13, T.13 N., R.35 E., Nye County, at culvert on State Highway 23 and 9 miles northwest of Gabbs.	c7	1965, 1968-74	1974	–	0
		Teels Marsh Valley					
10244620	Teels Marsh tributary at Basalt, Nev.	Lat 38°00'07", long 118°16'48", Mineral County, at culvert on U.S. Highway 6 and 0.75 mile southwest of Basalt.	1.07	1967-74	1974	–	0
		Rhodes Salt Marsh Valley					
10244660	Rhodes Salt Marsh tributary near Candelaria, Nev.	Lat 38°09'17", long 118°12'50", Mineral County, at culvert on State Highway 10 and 7 miles west of Candelaria.	c0.4	1961-74	1974	–	0
		Ruby Valley					
10244745	Overland Creek near Ruby Valley, Nev.	Lat 40°27'30", long 115°23'30", in SE¼SE¼ sec.23, T.30 N., R.58 E., Elko County, 0.1 mile upstream from Humboldt National Forest boundary and 2.2 miles north of Ruby Valley Post Office.	c9	1960-67†, 1968-74	5-19-74	1.96	180
		Steptoe Valley basin					
10245080	Nelson Creek tributary near Currie, Nev.	Lat 40°18'00", long 114°46'20", in SE¼ sec.17, T.28 N., R.64 E., Elko County, at culvert on former U.S. Highway 93 and 2.5 miles northwest of Currie.	c0.7	1961-74	1974	–	0
		Dry Lake Valley					
10245270	Dry Lake Valley tributary near Caliente, Nev.	Lat 37°37'30", long 114°46'30", in NW¼ sec.11, T.4 S., R.64 E., Lincoln County, at culvert on U.S. Highway 93 and 14.5 miles west of Caliente.	c11	1967-74	9- -74	6.03	110
		Jakes Valley					
10245450	Illipah Creek tributary near Hamilton, Nev.	Lat 39°21'35", long 115°21'05", in NW¼NE¼ sec.8, T.17 N., R.59 E., White Pine County, at culvert on U.S. Highway 50, 100 ft upstream from Illipah Creek, and 10.5 miles northeast of Hamilton.	3.47	1962-74	3- 2-74	2.16	b2
		Monitor and Diamond Valleys basin					
10245930	Bean Flat tributary near Austin, Nev.	Lat 39°29'32", long 116°32'00", Eureka County, at culvert on U.S. Highway 50 and 29 miles east of Austin.	c1.1	1961-74	1-12-74	1.09	b1
10246000	Garden Pass Creek tributary near Eureka, Nev.	Lat 39°49'00", long 116°00'32", Eureka County, at culvert on State Highway 51 and 24 miles northwest of Eureka.	2.12	1962-74	1974	–	b0.5
10246010	Garden Pass Creek near Eureka, Nev.	Lat 39°46'43", long 116°04'23", in NW¼NW¼ sec.22, T.22 N., R.52 E., Eureka County, at culvert on State Highway 51 and 20 miles north of Eureka.	19.2	1963-74	1-17-74	4.65	b4

† Operated as a continuous-record station.
b Estimated.
c Approximately.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Hot Creek and Railroad (Northern Part) Valleys					
10246845	Currant Creek tributary near Currant, Nev.	Lat 38°49'10", long 115°19'35", near line common to NW¼NE¼ and NE¼NW¼ sec.15, T.11 N., R.59 E., Nye County, at culvert on U.S. Highway 6 and 9.5 miles northeast of Currant.	3.13	1962-74	2-28-74	–	b0.1
10246847	Currant Creek, below Little Currant Creek, near Currant, Nev.	Lat 38°49'12", long 115°20'43", in NE¼NW¼ sec.16, T.11 N., R.59 E., Nye County, at bridge on U.S. Highway 6, 3.5 miles west of Currant Summit, and 9 miles northeast of Currant.	30.0	1964-74	1974	–	b3
10247010	Hot Creek tributary near Warm Springs, Nev.	Lat 38°12', long 116°13', in sec.15, T.4 N., R.51 E., Nye County, at culvert on State Highway 25, 9 miles east of Warm Springs, and 57 miles east of Tonopah.	–	1964-74	1974	–	0
10247220	Black Rock Summit tributary near Currant, Nev.	Lat 38°30'25", long 115°53'20", Nye County, at culvert on U.S. Highway 6 and 28 miles southwest of Currant.	6.35	1967-74	1974	–	0
10247230	Railroad Valley tributary near Currant, Nev.	Lat 38°32'34", long 115°47'52", in NW¼NW¼ sec.21, T.8 N., R.55 E., Nye County, at culvert on U.S. Highway 6 and 22.5 miles southwest of Currant.	0.37	1962-74	1974	–	0
		Indian Springs Valley					
10248490	Indian Springs Valley tributary near Indian Springs, Nev.	Lat 36°34'00", long 115°48'40", in NW¼NW¼ sec.16, or SW¼SW¼ sec.9, T.16 S., R.55 E., Clark County, at culvert on U.S. Highway 95 and 8 miles west of Indian Springs.	c29	1964-74	7-23-74	1.83	b0.6
		Eldorado Valley					
10248510	Eldorado Valley tributary near Nelson, Nev.	Lat 35°48'35", long 114°53'05", in SE¼SE¼ sec.36, T.24 S., R.63 E., Clark County, at culvert on State Highway 60 8 miles northwest of Nelson.	1.41	1964-74	9- -74	2.66	b1
		Stonewall and Sarcobatus Flats basin					
10248970	Stonewall Flat tributary near Goldfield, Nev.	Lat 37°35'40", long 117°12'35", in SE¼NE¼ sec.13, T.4 S., R.42 E., Esmeralda County, at culvert on U.S. Highway 95 and 8 miles south of Goldfield.	0.53	1964-74	1974	–	0
10248980	Lida Pass tributary near Lida, Nev.	Lat 37°26'05", long 117°33'25", in SE¼NE¼ sec.8, T.6 S., R.40 E., Esmeralda County, at culvert on State Highway 3 and 4 miles southwest of Lida.	1.39	1968-74	1974	–	0
10249050	Sarcobatus Flat tributary near Springdale, Nev.	Lat 37°13'18", long 117°07'35", Nye County, at culvert on State Highway 72, at Bonnie Clare, and 24 miles northwest of Springdale.	37.1	1961-74	8- 3-74	–	b0.1
		Stone Cabin and Ralston Valleys					
10249135	San Antonio Wash tributary near Tonopah, Nev.	Lat 38°19'37", long 117°07'25", in SW¼SW¼ sec.33, T.6 N., R.43 E., Nye County, at culvert on State Highway 8A and 19 miles north of Tonopah.	3.42	1965-74	1974	–	0
10249160	Ralston Valley tributary near Tonopah, Nev.	Lat 38°17'23", long 117°05'30", in [illegible] sec.13, T.5 N., R.43 E., Nye County, at culvert on State Highway 8A and 17 miles northeast of Tonopah.	0.20	1961-74	1974	–	0
10249180	Saulsbury Wash near Tonopah, Nev.	Lat 38°07'30", long 116°40'30", in [illegible] sec.10, T.3 N., R.46 E., Nye County, at culvert on U.S. Highway 6 and 23 miles east of Tonopah.	c50	1962-74	1974	–	0

b Estimated.
c Approximately.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (cfs)
		Smith Creek Valley					
10249417	Smith Creek Valley tributary near Austin, Nev.	Lat 39°32'21", long 117°28'26", in NE¼SE¼ sec.4, T.19 N., R.40 E., Lander County, at culvert on U.S. Highway 50 and 22 miles west of Austin.	0.62	1968-74	1974	–	0
		Ione and Big Smoky (Tonopah Flat) Valleys					
10249620	Big Smoky Valley tributary near Tonopah, Nev.	Lat 38°01'52", long 117°13'52", in SW¼NE¼ sec.14, T.2 N., R.42 E., Esmeralda County, at culvert on U.S. Highway 95 and 2.5 miles south of Tonopah.	2.39	1961-74	1974	–	0
10249680	Big Smoky Valley tributary near Blair Junction, Nev.	Lat 38°01'52", long 117°42'35", Esmeralda County, at culvert on U.S. Highway 6 and 95 and 3.5 miles east of Blair Junction.	11.4	1961-74	1974	–	0
		Fish Lake Valley and Columbus Salt Marsh					
10249850	Palmetto Wash tributary near Lida, Nev.	Lat 37°26'30", long 117°41'25", in SW¼SE¼ sec.6, T.6 S., R.39 E., Esmeralda County, at culvert on State Highway 3, 7 miles west of Lida Summit, and 11 miles west of Lida.	4.73	1967-74	1974	–	b0.1
10249855	Palmetto Wash tributary near Oasis, Calif.	Lat 37°27'25", long 117°46'10", in W½SW¼ sec.33, T.5 S., R.38 E., Esmeralda County, Nev., at culvert on State Highway 3 and 8 miles southeast of Oasis, Calif.	c0.24	1968-74	1974	–	0
		Death Valley basin					
10251220	Amargosa River near Beatty, Nev.	Lat 36°52'06", long 116°45'34", in NW¼NE¼ sec.30, T.12 S., R.47 E., Nye County, on left bank, 170 ft downstream from airport road, and 2.8 miles south of Beatty.	c470	1963-68†, 1969-74	1974	–	0
10251270	Amargosa River tributary near Mercury, Nev.	Lat 26°33'40", long 116°06'00", in sec.14, T.16 S., R.52 E., Nye County, at culvert on U.S. Highway 95 and 9 miles southwest of Mercury.	110	1963-74	8- 4-74	–	b3
10251271	Amargosa River tributary No. 1 near Johnnie, Nev.	Lat 36°27'36", long 116°06'28", in NE¼SE¼ sec.22, T.17 S., R.52 E., Nye County, at culvert on State Highway 16 and 3.5 miles northwest of Johnnie.	2.21	1967-74	3- 8-74	3.44	b4
10251272	Amargosa River tributary No. 2 near Johnnie, Nev.	Lat 36°26'09", long 16°04'28", in W½NE¼ sec.36, T.17 S., R.52 E., Nye County, at culvert on State Highway 16 and 1.2 miles north of Johnnie.	2.49	1968-74	1974	–	0
		Walker Lake basin					
10300100	Desert Creek near Wellington, Nev.	Lat 38°38'35", long 19°19'30", in SW¼SW¼ sec.8, T.9 N., R.24 E., Lyon County, on left bank 10 ft above diversion and 8 miles southeast of Wellington.	30.4	1965-69†, 1970-74	6- 5-73	2.11	78
10300150	O'Banion Canyon near Wellington, Nev.	Lat 38°38'07", long 19°13'30", Lyon County, at culvert on State Highway 22 and 10 miles southeast of Wellington.	3.05	1965-74	7-22-74	–	b1

† Operated as a continuous-record station.
b Estimated.
c Approximately.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Carson River basin					
10309005	Bodie Flat tributary near Gardnerville, Nev.	Lat 38°50'08", long 119°37'52", in NW¼NE¼ sec.9, T.11 N., R.21 E., Douglas County, at culvert on U.S. Highway 395 and 9 miles southeast of Gardnerville.	0.46	1967-74	1974	–	0
10310500	Clear Creek near Carson City, Nev.	Lat 39°06'48", long 119°47'50", in NE¼NW¼ sec.1, T.14 N., R.19 E., Carson City, 3 miles upstream from mouth and 3.5 miles southwest of Carson City.	15.5	1948-62†, 1963-74	12-19-73	0.72	12
10311450	Brunswick Canyon near New Empire, Nev.	Lat 39°10'20", long 119°41'10", in NW¼NE¼ sec.13, T.15 N., R.20 E., Carson City, 0.3 mile upstream from mouth and 2.5 miles east of New Empire.	12.7	1966-74	11-12-73	–	b0.4
10312012	Adrian Valley tributary near Wabuska, Nev.	Lat 39°12'55", long 119°12'25", in NE¼SE¼ sec.31, T.16 N., R.25 E., Lyon County, at culvert on Alternate U.S. Highway 95 and 4.8 miles northwest of Wabuska.	5.75	1968-74	1974	–	0
10312015	Adrian Valley tributary near Weeks, Nev.	Lat 39°13'45", long 119°13'40", in NW¼NW¼ sec.30, T.16 N., R.25 E., Lyon County, at abandoned culvert on former Alternate U.S. Highway 95 and 4.6 miles southeast of Weeks.	0.12	1968-74	1974	–	0
10312050	Lahontan Reservoir tributary near Silver Springs, Nev.	Lat 39°22'40", long 119°19'00", in SE¼SW¼ sec.32, T.18 N., R.24 E., Lyon County, at culvert on private road, 0.3 mile south of U.S. Highway 50, and 5.5 miles southwest of Silver Springs.	4.39	1962-74	8- 5-74	–	920
		Humboldt River basin					
10315800	Humboldt River tributary near Halleck, Nev.	Lat 40°58'10", long 115°26'50", in NW¼NW¼ sec.33, T.36 N., R.58 E., Elko County, at culvert on Interstate Highway 80 and 1.5 miles north of Halleck.	c3	1966-74	12-28-73	4.78	15
10315950	Secret Creek tributary near Arthur, Nev.	Lat 40°52'00", long 115°15'40", in S½SE¼ sec.36, T.35 N., R.59 E., Elko County, at culvert on State Highway 11, 6 miles northwest of Arthur, and 12 miles southeast of Halleck.	c3	1967-74	6- 5-74	19.05	8
10317430	Jim Creek near Tuscarora, Nev.	Lat 41°17'30", long 115°47'30", in SW¼ sec.4, T.39 N., R.55 E., Elko County, at culvert on State Highway 43 and 23 miles east of Tuscarora.	c25	1962, 1966-74	2-28-74	4.47	64
10319470	Willow Creek tributary near Jiggs, Nev.	Lat 40°30'47", long 115°39'42", in SW¼SW¼ sec.3, T.30 N., R.56 E., Elko County, at culvert on State Highway 46 and 6 miles north of Jiggs.	0.82	1962-74	12-27-73	2.12	b0.1
10322980	Cole Creek near Palisade, Nev.	Lat 40°35'05", long 116°08'55", in SE¼NE¼ sec.7, T.31 N., R.52 E., Eureka County, at culvert on State Highway 20 and 3.2 miles southeast of Palisade.	11.4	1962-74	3- 2-74	3.38	b3
10323200	Bob Creek near Beowawe, Nev.	Lat 40°39'35", long 116°24'30", in [illegible] sec.11, T.32 N., R.49 E., Eureka County, at culvert on Interstate Highway 80 and 4 miles northeast of Beowawe.	13.9	1962-74	6- 6-74	2.50	8
[illegible]	Willow Creek above Willow Creek Reservoir, near Tuscarora, Nev.	Lat 41°13'00", long 116°28'00", in [illegible] sec.18, T.38 N., R.48 E., Elko County, 4 miles upstream from dam and 14.5 miles southwest of Tuscarora.	c80	1968-74	5- -74	3.14	300
[illegible]	Reese River tributary near Austin, Nev.	Lat 39°28'28", long 117°28'10", in [illegible] sec.18, T.19 N., R.43 E., Lander County, at culvert on U.S. Highway 50 and 14 miles west of Austin.	0.27	1965-74	1974	–	0

† Operated as a continuous-record station.
b Estimated.
c Approximately.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Humboldt River basin--Continued					
10326650	Silver Creek near Austin, Nev.	Lat 39°43'10", long 117°10'04", in NW¼ sec.5, T.21 N., R.43 E., Lander County, at culvert on State Highway 8A and 16.5 miles north of Austin.	c25	1961-74	1974	—	0
10326850	Reese River tributary near Battle Mountain, Nev.	Lat 40°32'30", long 117°03'00", in SW¼ sec.20, T.31 N., R.44 E., Lander County, at culvert on State Highway 8A and 9 miles southwest of Battle Mountain.	c0.2	1962-74	4-19-74	—	b0.1
10327600	Humboldt River tributary near Golconda, Nev.	Lat 41°00'40", long 117°21'20", in E½ sec.9, T.36 N., R.41 E., Humboldt County, at culvert on State Highway 18 and 8 miles northeast of Golconda.	c3.4	1962-74	1974	—	0
10328240	Humboldt River tributary near Bliss, Nev.	Lat 40°59'55", long 117°39'30", in SE¼NE¼ sec.14, T.36 N., R.38 E., Humboldt County, at culvert on Interstate Highway 80 and 5 miles northeast of Winnemucca.	c1.9	1968-74	1974	—	0
10330300	Mullinex Creek near Paradise Valley, Nev.	Lat 41°30'40", long 117°32'25", in NE¼NE¼ sec.23, T.42 N., R.39 E., Humboldt County, at culvert on State Highway 8B and 1.2 miles north of Paradise Valley.	27.3	1962-74	4- 1-74	7.06	540
10332200	Raspberry Creek near Mill City, Nev.	Lat 40°47'14", long 117°59'34", in SW¼SW¼ sec.25, T.34 N., R.35 E., Pershing County, at culvert on access road, upstream from Cosgrove Interchange on Interstate Highway 80, and 8.5 miles northeast of Mill City.	9.38	1961-74	8- -74	3.39	b2
10336030	Toulon Drain tributary near Lovelock, Nev.	Lat 40°06'30", long 118°33'25", in NW¼SW¼ sec.24, T.26 N., R.30 E., Pershing County, at culvert on Interstate Highway 80 and 7.5 miles southwest of Lovelock.	0.80	1962-74	1974	—	0
10336080	Humboldt Slough tributary near Bradys Hot Springs, Nev.	Lat 39°51'05", long 118°55'40", in NW¼NE¼ sec.22, T.23 N., R.27 E., Churchill County, at culvert on U.S. Highway 40 and 95 and 6.5 miles northeast of Bradys Hot Springs.	11.0	1962-74	1974	—	0
		Pyramid and Winnemucca Lakes basin					
10336680*	First Creek near Crystal Bay, Nev.	Lat 39°15'00", long 119°59'18", in [illegible] sec.17, T.16 N., R.18 E., Washoe County, at culvert on State Highway 28 and 1.7 miles northeast of Crystal Bay. (Discontinued)	1.09	1970-74	5- 1-74	0.54	1
10336690*	Second Creek near Crystal Bay, Nev.	Lat 39°15'10", long 119°58'33", in [illegible] sec.17, T.16 N., R.18 E., Washoe County, at culvert on Silvertip Drive and 2.2 miles northeast of Crystal Bay. (Discontinued)	1.63	1970-74	5- 1-74	—	b3
[illegible]*	Wood Creek near Crystal Bay, Nev.	Lat 39°15'40", long 119°57'22", in [illegible] sec.9, T.16 N., R.18 E., Washoe County, at culvert on State Highway 27 and 3.5 miles northeast of Crystal Bay.	1.09	1967-74	5- 1-74	4.57	27
[illegible]*	Wood Creek at mouth near Crystal Bay, Nev.	Lat 39°14'22", long 119°57'22", in [illegible] sec.21, T.16 N., R.18 E., Washoe County, at culvert on Lakeshore Boulevard and 3.7 miles northeast of Crystal Bay. (Discontinued)	[illegible]	1970-74	5- 1-74	[illegible]	2
[illegible]*	Third Creek at Incline Village, Nev.	Lat 39°14'22", long 119°56'50", in [illegible] sec.[illegible], T.16 N., R.18 E., Washoe County, at downstream end of culvert on State Highway 27, at north end of Incline Village Golf Course, and 4.6 miles northeast of Crystal Bay. (Discontinued)	[illegible]	1970-74	5- 1-74	[illegible]	[illegible]

* Also published as a miscellaneous site.
b Estimated.
c Approximately.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis- charge (cfs)
		Pyramid and Winnemucca Lakes basin--Continued					
10350100	Long Valley Creek near Happy Valley, Nev.	Lat 39°28'55", long 119°37'10", in NE¼SW¼ sec.27, T.19 N., R.21 E., Storey County, 2 miles southeast of Happy Valley and 8 miles southeast of Sparks.	79.9	1967-74	1-17-74	2.44	105
10351850	Pyramid Lake tributary near Nixon, Nev.	Lat 39°51'30", long 119°28'32", in SW¼SE¼ sec.14, T.23 N., R.22 E., Washoe County, at bridge on Southern Pacific Railroad and 6.5 miles west of Nixon.	1.94	1968-74	3- 2-74	--	b16
		Black Rock Desert basin					
10353520	Eagle Creek near Orovada, Nev.	Lat 41°39'05", long 117°46'40", in SW¼NE¼ sec.35, T.44 N., R.37 E., Humboldt County, at culvert on U.S. Highway 95 and 3.6 miles north of Orovada.	3.44	1962-74	1974	--	0
10353710	Black Rock Desert tributary near Sulphur, Nev.	Lat 40°54'00", long 118°37'40", Humboldt County, at culvert on State Highway 49 and 7.5 miles east of Sulphur.	c33	1967-74	8-25-74	1.98	b0.1
10353730	Dry Creek near Gerlach, Nev.	Lat 40°43'43", long 119°27'07", in SE¼NE¼ sec.21, T.33 N., R.23 E., Washoe County, 1 mile north of State Highway 81 and 7.5 miles west of Gerlach.	c3.5	1960-74	12-27-73	--	b0.2
		Hualapai Flat					
10353770	South Willow Creek near Gerlach, Nev.	Lat 41°01'00", long 119°21'00", in N½ sec.11, T.36 N., R.23 E., Washoe County, 300 ft east of State Highway 34 and 25 miles north of Gerlach.	c31	1963-73 1974‡	3-16-74	0.06	3
		Guano Valley Basin					
10361700	Badger Creek tributary near Vya, Nev.	Lat 41°43'20", long 119°22'20", in NE¼ sec.22, T.44 N., R.23 E., [illegible] County, at culvert on State Highway 8A, [illegible] miles northeast of Vya, and 43 miles southwest of Denio.	7.7	1963 1966-72‡ 1973-74	3- -74	3.63	130
		[illegible] Lake basin					
10407150	Big Spring Reservoir tributary near Denio, Nev.	Lat 41°56'53", long 118°17'51", Humboldt County, at culvert on State Highway 8A, 3.4 miles southeast of Nevada-Oregon State line, and 35 miles east of Denio.	1.02	1963-74	2-19-74	3.78	b0.2
		Bruneau River basin					
13161100	Bruneau River near Charleston, Nev.	Lat 41°35'30", long 115°27'20", in SE¼SW¼ sec.20, T.42 N., R.58 E., Elko County, 600 ft downstream from road, 15.7 miles south of Charleston, and 25 miles south of Jarbidge.	c44	1963-74	6- -74	12.54	568
[illegible]	[illegible] Creek near Charleston, Nev.	Lat [illegible], long [illegible], in [illegible] sec.[illegible], T.[illegible] N., R.[illegible] E., Elko County, at culvert, [illegible] miles northeast of Charleston, and [illegible] miles south of Jarbidge.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible] Creek near Rowland, Nev.	Lat [illegible], long [illegible], in [illegible] sec.[illegible], T.[illegible] N., R.[illegible] E., Elko County, at culvert and [illegible] miles south of Rowland.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible] Creek near Rowland, Nev.	Lat [illegible], long [illegible], in [illegible] sec.[illegible], T.[illegible] N., R.[illegible] E., Elko County, at culvert and [illegible] miles east of Rowland.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

‡ Operated as a continuous-record station.
b Estimated.
c Approximately.
d Below base of gage.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Bruneau River basin--Continued					
13162200	Jarbidge River at Jarbidge, Nev.	Lat 41°51'45", long 115°25'40", in NW¼ sec.21, T.46 N., R.58 E., Elko County, at bridge and 1.0 mile south of Jarbidge.	22.6	1964-74	7-10-74	15.85	307
13162400	Buck Creek near Jarbidge, Nev.	Lat 41°58'45", long 115°25'55", in NW¼ sec.9, T.47 N., R.58 E., Elko County, at culvert, at Diamond A Ranch, and 7.2 miles north of Jarbidge.	20.2	1963-74	4- -74	12.10	97
13162600	Columbet Creek near Jarbidge, Nev.	Lat 41°58'00", long 115°29'05", in NW¼ sec.13, T.47 N., R.57 E., Elko County, at culvert and 7 miles northwest of Jarbidge.	3.37	1963-74	5- 9-74	6.62	4
		Owyhee River basin					
13175900	Reed Creek near Owyhee, Nev.	Lat 41°53'45", long 116°03'40", in SW¼SE¼ sec.7, T.46 N., R.53 E., Elko County, at culvert on State Highway 11A and 3.8 miles southeast of Owyhee.	6.51	1963-74	7-10-74	3.13	69
13176600	Taylor Canyon tributary near Tuscarora, Nev.	Lat 41°14'10", long 116°02'10", in S½ sec.29, T.39 N., R.53 E., Elko County, at culvert on State Highway 11 and 11 miles southeast of Tuscarora.	c1.2	1967-74	4- 3-74	2.83	b3
13176900	Jack Creek below Schoonover Creek, near Tuscarora, Nev.	Lat 41°30'30", long 116°04'20", in NW¼SE¼ sec.25, T.42 N., R.52 E., Elko County, 0.2 mile downstream from Schoonover Creek, 2 miles upstream from mouth, and 16 miles northeast of Tuscarora.	19.8	1962-69‡, 1970-74	6-29-70 5-16-71 6- 7-72 5-19-73 7- 9-74	2.92 2.99 3.50 2.40 2.53	187 195 237 156 185

‡ Operated as a continuous-record station.
b Estimated.
c Approximately.

Measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†). Annual maximum discharge at previous continuous-record sites are sometimes determined by use of latest-defined stage-discharge relation, rather than by measurement.

Discharge measurements made at miscellaneous sites during water year 1974

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Humboldt River basin				
Huntington Creek	Humboldt River	Lat 40°33'45", long 115°43'00", in NW¼NW¼ sec.19, T.31 N., R.56 E., Elko County, 500 ft (152 m) downstream from mouth of right tributary, 1.6 mi (2.6 km) downstream from Willow Creek, 5.5 mi (8.8 km) upstream from mouth, and 6 mi (10 km) west of Lee.	a770	1949-72‡, 1973	2-08-74 3-07-74 3-07-74 7-18-74 7-18-74 9-09-74	30 68 88 †120 16 3.1
South Fork Humboldt River	Humboldt River	Lat 40°43'25", long 115°49'45", in NE¼NW¼ sec.30, T.33 N., R.55 E., Elko County, 0.1 mi (0.2 km) upstream from head of canyon, 1.7 mi (2.7 km) downstream from highway bridge, 8.8 mi (14.2 km) upstream from mouth, and 10 mi (16 km) southwest of Elko.	a1,310	1897-1909, 1911-18, 1921-22, 1924-32, 1937-73‡	5-29-74 9-09-74 10-01-74	538 2.44 4.47
Pole Creek	Humboldt River	Lat 40°54'50", long 117°31'50", in N½NE¼ sec.13, T.35 N., R.39 E., Humboldt County, 2.0 mi (3.2 km) upstream from Devils Canyon, 3 mi (5 km) southwest of Interstate 80, 4 mi (6 km) southwest of Golconda, about 5 mi (8 km) upstream from the Humboldt River and about 18 mi (29 km) east of Winnemucca.	10.7	1961-73‡	4-17-74 1974 5-21-74	12.9 †60 8.49
		Pyramid and Winnemucca Lakes basin				
Third Creek	Lake Tahoe	Lat 39°14'26", long 119°56'44", in SW¼NE¼ sec.22, T.16 N., R.18 E., Washoe County, 50 ft (15 m) upstream from culvert on Lakeshore Boulevard, 600 ft (183 m) upstream from mouth and 3 mi (5 km) east of Crystal Bay.	6.0	1970-73	12-29-73	11.2
Burke Creek	Lake Tahoe	Lat 38°58'02", long 119°55'42", in NE¼SW¼ sec.23, T.13 N., R.18 E., Douglas County, 0.3 mi (0.5 km) north of Tahoe Village, and 1.4 mi (2.3 km) northeast of Stateline.	2.37	—	9-10-74	0.26
Edgewood Creek	Lake Tahoe	Lat 39°57'45", long 119°55'48", in NW¼NW¼ sec.26, T.13 N., R.18 E., Douglas County, 0.1 mi (0.2 km) upstream from dam at Edgewood, Nev. and 0.7 mi (1.1 km) northeast of Stateline.	5.05	—	9-10-74	2.48
Cold Creek	Trout Creek	Lat 38°54'32", long 119°57'39", in NW¼NW¼ sec.11, T.12 N., R.18 E., Eldorado County, 0.6 mi (1.0 km) upstream from mouth and 2 mi (3.2 km) southeast of Tahoe Valley, Calif.	12.32	—	9-10-74	5.38
Heavenly Valley Creek	Trout Creek	Lat 38°55'00", long 119°57'28", in NE¼SW¼ sec.2, T.12 N., R.18 E., Eldorado County, at Pioneer Road, 0.9 mi (1.4 km) upstream from mouth, and 2 mi (3.2 km) east of Tahoe Valley, Calif.	2.48	—	9-10-74	.79
Little Truckee River	Truckee River	Lat 39°30'05", long 120°16'35", in NE¼NE¼ sec.14, T.19 N., R.15 E., Sierra County, 0.5 mi (0.8 km) upstream from Independence Creek and 7.5 mi (12.1 km) northwest of Hobart Mills.	36.5	1947-72‡	7-02-74	†160
Hunter Creek	Truckee River	Lat 39°29'25", long 119°53'55", in SW¼SW¼ sec.19, T.19 N., R.15 E., Washoe County, on right bank 1.0 mi (1.6 km) upstream from mouth, 1.2 mi (1.9 km) upstream from Hunter Creek Reservoir, and 5 mi (8 km) southwest of Reno.	11.5	1961-71‡, 1973	1974	†37
		Owyhee River basin				
South Fork Owyhee River	Owyhee River	Lat 41°25'40", long 116°10'40", in NW¼NW¼ sec.30, T.41 N., R.52 E., Elko County, 0.2 mi (0.3 km) downstream from Hot Creek, 2.8 mi (4.5 km) west of Spanish Ranch headquarters, and 8 mi (13 km) north of Tuscarora.	a330	1960-73‡	4-24-74 — 6-11-74	206 †270 63

a Approximately.

‡ Operated as a continuous-record station.

PART 2. WATER QUALITY RECORDS

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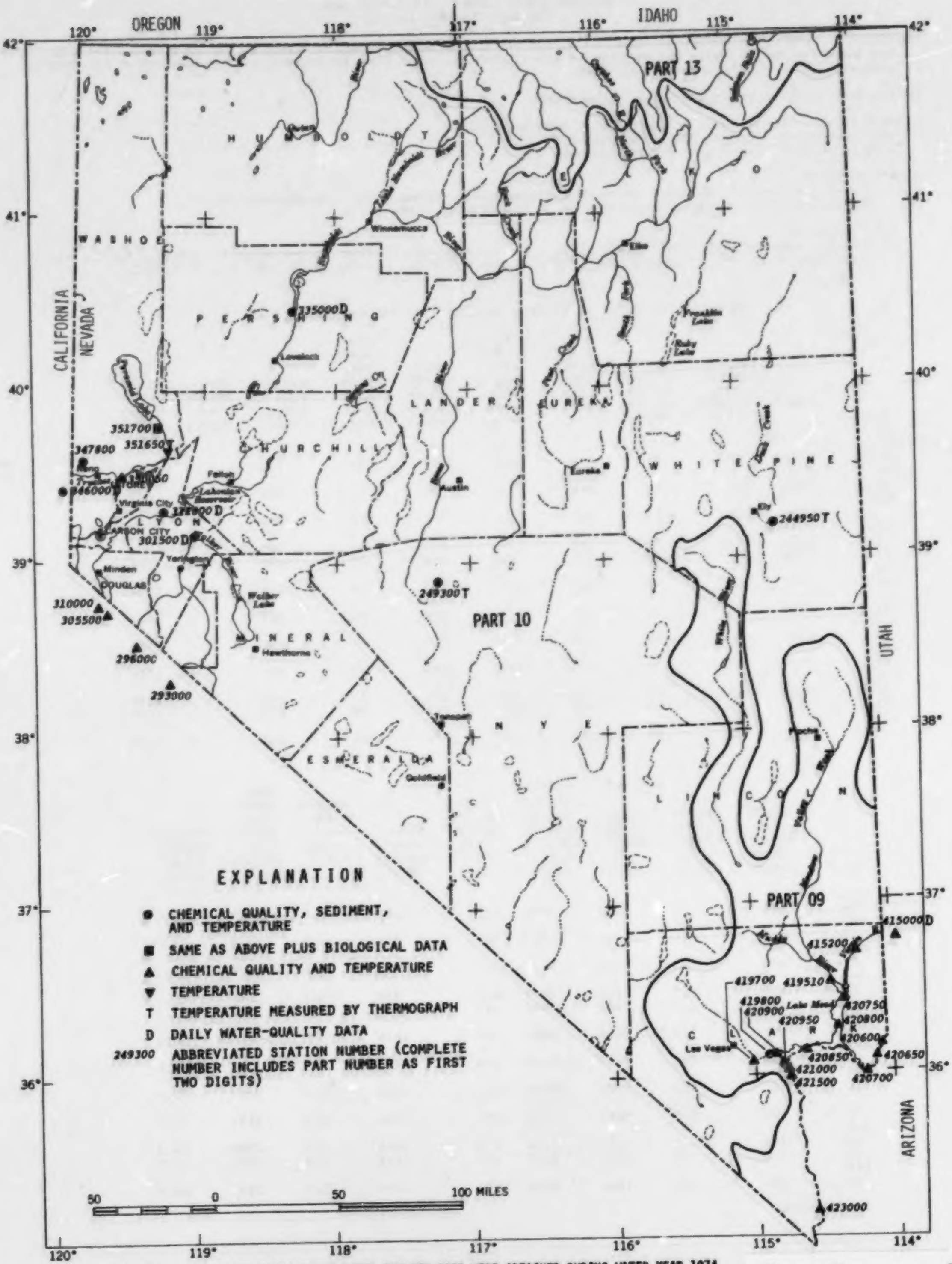

FIGURE 5 - SAMPLING SITES WHERE WATER-QUALITY DATA WERE OBTAINED DURING WATER YEAR 1974.

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09415000 VIRGIN RIVER AT LITTLEFIELD, ARIZ.

(Irrigation network station)

LOCATION.--Lat 36°53', long 113°56', in SW¼SW¼ sec.4, T.40 N., R.15 W., Mohave County, at gaging station 0.4 mile (0.6 km) downstream from Beaver Dam Wash, 0.4 mile (0.6 km) upstream from Littlefield, and 36 miles (58 km) upstream from waterline of Lake Mead at elevation 1,221 ft (372 m) above mean sea level.

DRAINAGE AREA.--5,090 sq mi (13,200 sq km), approximately.

PERIOD OF RECORD.--Chemical analyses: July 1949 to September 1974.
Water temperatures: October 1947 to September 1974.
Sediment records: October 1947 to September 1968.

EXTREMES.--1973-74:
Specific conductance: Maximum daily, 4,100 micromhos Aug. 7; minimum daily, 1,910 micromhos Mar. 4.
Water temperature: Maximum daily, 32.0°C Aug. 3; minimum daily, 4.0°C Jan. 2.

Period of record:
Specific conductance (1949-74): Maximum daily, 4,650 micromhos Aug. 21, 1966; minimum daily, 685 micromhos May 12, 1973.
Water temperature: Maximum, 33.5°C July 7, 1953; minimum, 2.0°C Jan. 4, 1949, Jan. 4, 1950, Jan. 4, 5, 1971.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 25...	1330	68	21	360	110	280	34	342	0	1100
DEC. 04...	1330	220	19	240	75	220	23	335	0	660
JAN. 29...	1100	231	19	240	73	220	16	330	0	680
MAR. 12...	1000	198	18	240	77	220	24	300	0	730
25...	1000	120	18	270	86	260	29	310	0	810
APR. 28...	1700	68	20	360	110	240	29	311	0	1100
MAY 30...	1030	60	19	380	110	250	29	311	0	1100
JUNE 20...	0930	64	19	380	110	270	--	314	0	1100
JULY 30...	0700	58	20	370	120	270	32	324	0	1100
AUG. 20...	0830	63	20	370	110	270	27	295	0	1100
23...	1000	64	20	370	120	270	28	327	0	1100
SEP. 25...	1800	60	21	360	120	270	31	304	0	1100

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	WATER TEMPERATURE (DEG C)
OCT. 25...	380	.9	1100	2460	452	1400	3.3	3230	20.5
DEC. 04...	300	.6	660	1710	1020	910	3.2	2460	11.5
JAN. 29...	300	.7	660	1710	1070	900	3.2	2480	5.0
MAR. 12...	310	.7	670	1770	946	920	3.2	2500	15.0
25...	350	1.0	800	1980	642	1000	3.5	2860	17.0
APR. 28...	370	1.1	1000	2390	439	1400	2.8	3320	24.0
MAY 30...	360	1.2	1100	2400	389	1400	2.9	3340	22.0
JUNE 20...	380	.8	1100	E2430	E420	1400	3.1	3300	22.0
JULY 30...	390	1.0	1100	2460	385	1400	3.1	3360	25.0
AUG. 20...	390	1.0	1100	2440	415	1400	3.2	3500	20.0
23...	390	.9	1100	2460	425	1400	3.1	3350	23.0
SEP. 25...	390	1.0	1100	2440	395	1400	3.1	3530	25.0

E: ESTIMATED.

09415000 VIRGIN RIVER AT LITTLEFIELD, ARIZ.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(ONCE-DAILY)

DAY	OCT	NCV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3280	3210	2580	2550	2580	2840	3100	3250	3250	3450	3300	3300
2	3230	3350	2590	2860	2500	2800	3050	3320	3250	3490	3100	3440
3	3360	3300	2000	2850	2490	2320	2340	3380	3320	3400	3400	3520
4	3310	3250	2590	2940	2600	1910	2700	3400	3300	3390	3500	3490
5	3400	3250	2700	2160	2650	2400	2950	3390	3300	3410	3800	3470
6	3370	3150	2720	2120	2660	2540	3190	3310	3300	3450	3700	3280
7	3330	3100	2730	2030	2620	2500	3290	3400	3170	3380	4100	3680
8	3330	3100	2700	1990	2620	2450	3450	3400	3470	3450	3400	3670
9	3290	3060	2780	2270	2650	2340	3420	3400	3390	3410	3350	3620
10	3420	3090	2730	2380	2600	2340	3480	3330	3300	3320	3400	3550
11	3390	3050	2730	2030	2600	2480	3310	3360	3400	3450	3420	3640
12	3330	3050	2730	2330	2670	2450	3450	3500	3300	3450	3410	3630
13	3350	3120	2800	---	2610	2530	3350	3440	3420	3420	3340	3620
14	3310	3060	2780	---	2700	2550	3430	3210	3340	3410	3400	3620
15	3200	3060	---	2010	2710	2660	3320	3480	3400	3280	3400	3620
16	3080	2990	2820	---	2810	2580	3420	3390	3350	3410	3500	3620
17	3290	2990	2700	2000	2740	2600	3490	3380	3380	3420	3450	3620
18	3280	2890	2890	1940	2680	2540	3500	3360	3440	3400	3450	3600
19	3370	2770	2800	1960	2780	2630	3490	3470	3550	3310	3400	3580
20	3290	2340	2820	---	2780	2740	3490	3350	3500	3400	3400	3600
21	3290	2620	2880	1980	2830	2860	3480	3380	3470	3480	3400	3600
22	3280	2640	2900	2020	2810	2880	3440	3410	3400	3310	3250	3600
23	3320	2610	2890	2260	2760	3100	3500	3410	3410	3310	3320	3600
24	3240	2540	2720	2080	2750	3000	3480	3410	3500	3100	3410	3610
25	3280	2490	2700	1930	2700	2900	3500	3440	3490	3680	3380	3620
26	3280	2570	2700	2500	3000	2930	3500	3450	3490	3510	3360	3620
27	3300	2560	2650	2120	2910	2800	3450	3490	3480	3470	3490	3620
28	3340	2510	2800	2250	2910	2910	3500	3490	3500	3480	3380	3600
29	3290	2610	2480	1960	---	3000	3500	3480	3500	3480	3500	3620
30	3270	2570	---	2560	---	3140	3490	3480	3500	3420	3410	3580
31	3230	---	---	2470	---	2850	---	3440	---	3490	3490	---
MONTH	3300	2900	2710	2240	2700	2660	3340	3400	3400	3410	3440	3570
YEAR	MAX	4100	MIN	1910	MEAN	3100						

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.0	18.0	14.0	9.0	11.0	16.0	20.0	23.0	29.0	24.0	30.0	25.0
2	19.0	17.0	10.0	4.0	12.0	13.0	18.0	23.0	22.0	28.0	31.0	27.0
3	22.0	14.0	11.5	5.0	9.0	10.0	19.0	22.0	28.0	30.0	32.0	27.0
4	22.0	17.0	10.0	6.0	12.0	12.0	18.0	22.0	27.0	30.0	25.0	28.0
5	22.0	16.0	9.0	5.0	11.0	16.0	25.0	16.0	29.0	23.0	26.0	27.0
6	22.0	16.0	9.0	6.0	9.0	16.0	20.0	26.0	29.0	23.0	27.0	26.0
7	20.0	18.0	11.0	9.0	10.0	13.0	24.0	25.0	21.0	22.0	25.0	27.0
8	18.0	18.0	11.0	8.0	10.0	15.0	26.0	28.0	28.0	28.0	26.0	27.0
9	20.0	19.0	11.0	10.0	11.0	13.0	17.0	25.0	29.0	29.0	27.0	27.0
10	21.0	15.0	12.0	9.0	11.0	11.0	17.0	27.0	27.0	25.0	26.0	25.0
11	19.0	17.0	12.0	10.0	12.0	17.0	29.0	26.0	29.0	26.0	23.0	27.0
12	18.0	17.0	10.0	8.0	11.0	---	21.0	25.0	31.0	31.0	22.0	28.0
13	22.0	15.0	12.0	10.0	13.0	---	23.0	25.0	31.0	28.0	23.0	26.0
14	22.0	14.0	11.0	11.0	13.0	---	21.0	27.0	26.0	27.0	24.0	27.0
15	23.0	15.0	---	11.0	13.0	---	21.0	23.0	26.0	29.0	26.0	27.0
16	22.0	15.0	13.0	11.0	12.0	18.0	18.0	23.0	24.0	29.0	26.0	27.0
17	22.0	16.0	12.0	10.0	14.0	18.0	23.0	24.0	28.0	28.0	24.0	27.0
18	22.0	14.0	10.0	10.0	12.0	17.0	21.0	18.0	28.0	28.0	24.0	26.0
19	22.0	13.0	12.0	11.0	13.0	18.0	21.0	18.0	24.0	25.0	22.0	28.0
20	15.0	11.0	12.0	11.0	9.0	17.0	25.0	26.0	27.0	30.0	25.0	29.0
21	21.0	12.0	11.0	9.0	10.0	18.0	24.0	26.0	26.0	28.0	25.0	25.0
22	19.0	10.0	12.0	8.0	12.0	17.0	24.0	25.0	30.0	27.0	28.0	27.0
23	18.0	9.0	11.0	10.0	15.0	16.0	24.0	26.0	27.0	30.0	26.0	29.0
24	21.0	9.0	10.0	10.0	12.0	19.0	22.0	29.0	28.0	28.0	27.0	29.0
25	19.0	9.0	10.0	7.0	15.0	19.0	20.0	23.0	26.0	30.0	26.0	25.0
26	13.0	9.0	12.0	10.0	16.0	18.0	22.0	27.0	28.0	27.0	25.0	26.0
27	12.0	11.0	11.0	10.0	15.0	19.0	25.0	26.0	26.0	29.0	26.0	25.0
28	19.0	12.0	11.0	10.0	16.0	20.0	24.0	25.0	25.0	31.0	25.0	25.0
29	17.0	10.0	10.0	7.0	---	19.0	26.0	24.0	31.0	30.0	27.0	27.0
30	17.0	10.0	12.0	12.0	---	17.0	25.0	23.0	24.0	25.0	23.0	25.0
31	18.0	---	---	10.0	---	21.0	---	25.0	---	24.0	23.0	---
MONTH	19.5	14.0	11.0	9.0	12.0	16.5	22.0	24.0	27.0	27.5	25.5	26.5
YEAR	MAX	32.0	MIN	4.0	MEAN	19.5						

09415200 VIRGIN RIVER NEAR RIVERSIDE, NEV.

LOCATION.--Lat 36°41'13", long 114°16'20", in NW¼SW¼ sec.27, T.14 S., R.69 E., Clark County, 4.6 miles (7.4 km) downstream from Riverside bridge, 14 miles (22 km) southwest of Mesquite, and about 10 miles (16 km) upstream from high-water line of Lake Mead at elevation 1,221.4 ft (372.3 m) above mean sea level. After January 1974, samples were collected at Riverside (streamflow gaging station 09415190).

PERIOD OF RECORD.--Chemical analyses: October 1968 to September 1974 (data for period January 1964 to September 1968 are available from U.S. Environmental Protection Agency).

EXTREMES.--Period of record (1968-74):
Specific conductance: Maximum, 6,790 micromhos July 11, 1972; minimum, 950 micromhos May 5, 1973.
Water temperature: Maximum, 35°C Aug. 20, 1969; minimum, 1.0°C Dec. 18, 1968, and Jan. 6, 1970.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 03...	1009	E5	440	200	540	35	238	0	1800
JAN. 17...	1200	239	240	88	260	27	257	0	800

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	FIELD PH (UNITS)	WATER TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
OCT. 03...	750	4140	E56	1900	5.4	5240	8.1	19.5	9.1
JAN. 17...	350	1900	1230	960	3.6	2690	8.0	10.0	--

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)
APR. 29...	1200	5.5	--	--	--	--	--	--	--	--	--	--
JUNE 24...	1130	.24	--	--	--	--	--	--	--	--	--	--
JULY 26...	1100	1.3	25	430	160	460	38	255	0	1600	580	.55

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	FIELD PH (UNITS)	WATER TEMPERATURE (DEG C)
APR. 29...	--	--	--	--	--	--	--	--	--	2300	--	23.5
JUNE 24...	--	--	--	--	--	--	--	--	--	4380	--	33.0
JULY 26...	.05	.39	7.2	2.7	.08	3420	12.0	1700	4.8	4620	8.4	31.0

E: ESTIMATED

09419510 MUDDY RIVER BELOW OVERTON, NEV.

LOCATION.--Lat 36°30'22", long 114°24'04", in NW¼NW¼ sec.33, T.16 S., R.68 E., Clark County, 3.5 miles (5.6 km) southeast of Overton, and about 1.5 miles (2.4 km) downstream from high-water line of Lake Mead at elevation 1,221.4 ft (372.3 m) above mean sea level.

PERIOD OF RECORD.--Chemical analyses: October 1968 to January 1974 (discontinued).

EXTREMES.--Period of record:
Specific conductance: Maximum, 4,050 micromhos Apr. 26, 1972; minimum, 2,070 micromhos Oct. 21, 1970.
Water temperature: Maximum, 28.0°C July 1, 1971; minimum, 7.0°C Jan. 6, 1970, Jan. 12, 1971.

REMARKS.--Discharge includes almost all return flow from Overton State Wildlife Management Area.

CORRECTION.--Sampling site was moved about 0.9 mi (1.4 km) upstream in February 1973 because of rising level of Lake Mead. Original site was in SW¼SE¼ sec.33, T.16 S., R.68 E. New site was in NW¼NW¼ sec.33. Site was moved again, in October 1973, because of continued lake-level rise. See "Location" (above) for description of most recent site.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT.									
03...	0815	9.0	160	95	280	26	399	0	780
JAN.									
17...	1430	2.1	240	150	470	40	439	0	1400

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	FIELD PH (UNITS)	WATER TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
OCT.									
03...	200	1860	45.2	790	4.3	2510	8.2	16.5	8.5
JAN.									
17...	310	2960	16.8	1200	5.9	3780	8.2	13.0	--

09419700 LAS VEGAS WASH NEAR HENDERSON, NEV.

LOCATION.--Lat 36°05'20", long 114°59'05", in SE¼SW¼ sec.30, T.21 S., R.63 E., Clark County, at gaging station 3.5 mi (5.6 km) north of Henderson, and 6.0 mi (9.6 km) upstream from high-water line of Lake Mead at elevation 1,221.4 ft (372.3 m) above mean sea level.

DRAINAGE AREA.--2,125 mi^2 (5,504 km^2), of which 1,518 mi^2 (3,932 km^2) contribute directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1968 to September 1974 (data for period January 1964 to September 1968 are available from U.S. Environmental Protection Agency).

EXTREMES.--1973-74:
Specific conductance: Maximum 3,270 micromhos Aug. 13; minimum, 2,470 micromhos Sept. 30.
Water temperature: Maximum 21.0°C June 25; minimum, 6.0°C Dec. 21, Feb. 11.

Period of record (1968-74):
Specific conductance: Maximum, 5,330 micromhos June 25, 1969; minimum, 2,180 micromhos Feb. 2, 1971.
Water temperature (October 1968-August 1969, July 1970-September 1974): Maximum, 25.0°C July 23, 1971; minimum, 2.0°C Jan. 31, 1972.

REMARKS.--Discharge includes sewage effluent and perhaps some waste water from industrial plants.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT. 27...	1250	61	34	170	76	310	26	228	0
NOV. 17...	1450	53	--	--	--	--	--	--	--
DEC. 21...	0820	67	--	--	--	--	--	--	--
JAN. 14...	1530	68	31	170	85	300	21	277	0
FEB. 11...	0820	63	--	--	--	--	--	--	--
MAR. 18...	1145	68	--	--	--	--	--	--	--
APR. 17...	1100	67	35	180	86	350	20	274	0
MAY 20...	1300	67	--	--	--	--	--	--	--
JUNE 25...	0945	44	--	--	--	--	--	--	--
AUG. 13...	0810	39	42	210	96	380	24	330	0
SEP. 30...	1215	65	--	--	--	--	--	--	--

09419700 LAS VEGAS WASH NEAR HENDERSON, NEV.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT. 27...	630	360	4.6	--	.43	--	2.0	3.4	7.5
NOV. 17...	--	--	4.8	--	.51	--	7.4	--	--
DEC. 21...	--	--	6.2	--	.61	--	3.4	--	--
JAN. 14...	740	350	3.4	--	.55	--	11	0	8.4
FEB. 11...	--	--	4.7	--	.49	--	9.5	--	--
MAR. 18...	--	--	2.0	--	.58	--	11	--	--
APR. 17...	740	380	3.6	--	.46	--	7.2	.5	8.4
MAY 20...	--	--	4.1	--	.43	--	3.1	--	--
JUNE 25...	--	--	--	--	--	--	--	--	--
AUG. 13...	880	420	--	.90	--	1.6	7.5	3.5	6.1
SEP. 30...	--	--	--	--	--	--	--	--	6.7

DATE	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	FIELD PH (UNITS)	WATER TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
OCT. 27...	7.4	1740	287	740	5.0	2560	7.2	12.0	--
NOV. 17...	6.0	--	--	--	--	2680	--	13.0	--
DEC. 21...	7.1	--	--	--	--	2750	--	6.0	--
JAN. 14...	8.2	1850	340	770	4.7	2740	8.0	9.5	1.1
FEB. 11...	7.2	--	--	--	--	2900	--	6.0	--
MAR. 18...	8.6	--	--	--	--	2940	--	15.5	--
APR. 17...	7.6	1940	351	800	5.4	2910	7.2	12.0	1.6
MAY 20...	6.7	--	--	--	--	2850	--	13.5	--
JUNE 25...	--	--	--	--	--	2970	--	21.0	--
AUG. 13...	5.9	2210	233	920	5.5	3270	6.6	20.0	--
SEP. 30...	--	--	--	--	--	2470	--	16.0	--

09419800 LAS VEGAS WASH NEAR BOULDER CITY, NEV.

LOCATION.--Lat 36°07'20", long 114°54'15", in NE¼SE¼ sec.14, T.21 S., R.63 E., Clark County, at gaging station 11 mi (18 km) northwest of Boulder City, and about 0.8 mi (1.3 km) upstream from high-water line of Lake Mead at elevation 1,221.4 ft (372.3 m) above mean sea level.

DRAINAGE AREA.--2,193 mi² (5,680 km²), of which 1,586 mi² (4,108 km²) contribute directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1968 to September 1974 (data for period January 1964 to September 1968 are available from U.S. Environmental Protection Agency).

EXTREMES.--1973-74:
Specific conductance: Maximum, 4,900 micromhos Aug. 13; minimum, 4,140 micromhos Dec. 21.
Water temperature: Maximum, 21.5°C June 25; minimum 5.5°C Dec. 21, Feb. 11.

Period of record (1968-74):
Specific conductance: Maximum, 6,850 micromhos June 25, 1969; minimum, 4,140 micromhos Dec. 21, 1973.
Water temperature: Maximum, 26.0°C July 23, 1969, and June 3, 1970; minimum, 3.0°C Jan. 7, 1970.

REMARKS.--Discharge includes sewage effluent and waste water from industrial plants.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT.											
27...	1415	76	44	340	140	490	50	241	0	1200	740
NOV.											
17...	1345	73	--	--	--	--	--	--	--	--	--
DEC.											
21...	0755	76	--	--	--	--	--	--	--	--	--
JAN.											
14...	1300	69	40	320	130	460	41	235	0	1200	700
FEB.											
11...	0945	69	--	--	--	--	--	--	--	--	--
MAR.											
18...	1450	65	--	--	--	--	--	--	--	--	--
APR.											
17...	1420	67	40	320	130	460	40	228	0	1200	660
MAY											
20...	1400	57	--	--	--	--	--	--	--	--	--
JUNE											
25...	1220	43	48	360	140	520	49	271	0	1200	760
AUG.											
13...	0945	47	50	380	150	540	46	280	0	1300	790
27...	0715	63	--	--	--	--	--	--	--	--	--
SEP.											
30...	1300	74	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED NITRATE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED-PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
OCT.											
27...	8.6	--	.01	--	.11	.55	5.0	4.9	--	3160	648
NOV.											
17...	9.8	--	.01	--	.04	--	--	3.7	--	--	--
DEC.											
21...	11	--	.04	--	.40	--	--	4.7	--	--	--
JAN.											
14...	8.9	--	.49	--	2.3	.9	5.6	5.1	--	3050	568
FEB.											
11...	13	--	.06	--	.41	--	--	5.0	--	--	--
MAR.											
18...	9.6	--	.03	--	.62	--	--	5.3	--	--	--
APR.											
17...	9.8	--	.02	--	.20	.80	5.1	4.8	--	3010	545
MAY											
20...	--	--	--	--	.07	.81	3.8	--	--	--	--
JUNE											
25...	6.1	--	.05	--	2.6	--	--	--	--	3240	376
AUG.											
13...	--	--	--	--	.21	.67	3.9	3.7	3610	3390	430
27...	--	7.1	--	.00	.06	1.1	4.4	--	--	--	--
SEP.											
30...	--	3.5	--	.41	.04	.06	5.2	--	--	--	--

09419800 LAS VEGAS WASH NEAR BOULDER CITY, NEV.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	HARD-NESS (CA,MG) (MG/L)	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	FIELD PH (UNITS)	WATER TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL IRON (FE) (UG/L)
OCT. 27...	1400	5.6	4740	8.1	14.5	--	10.5	--	--	--
NOV. 17...	--	--	4470	--	12.5	--	--	--	--	--
DEC. 21...	--	--	4140	--	5.5	--	--	--	--	--
JAN. 14...	1300	5.5	4220	8.2	8.0	--	10.5	--	--	--
FEB. 11...	--	--	4230	--	5.5	--	--	--	--	--
MAR. 18...	--	--	4340	--	17.5	--	--	--	--	--
APR. 17...	1300	5.5	4260	8.0	14.5	--	9.6	--	--	--
MAY 20...	--	--	4270	--	14.5	30	--	37	8.9	--
JUNE 25...	1500	5.9	4640	8.0	21.5	--	--	--	8.0	--
AUG. 13...	1600	5.9	4900	7.7	20.0	40	8.8	24	7.5	4100
27...	--	--	4530	--	18.0	40	--	33	--	3000
SEP. 30...	--	--	4280	--	16.5	10	--	14	11	3500

DATE	TIME	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)
AUG. 13...	0945	.01	.00	.00	.00	.01	.00	.00	.00	.06

DATE	CHLOR-DANE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	SILVEX (UG/L)	2,4,5-T (UG/L)	PCB (UG/L)
AUG. 13...	.0	.02	.00	.00	.00	.03	.00	.00	.0

DATE	TIME	WATER TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
JAN. 14...	1300	8.0	69	288	65
FEB. 11...	0945	5.5	69	138	25
MAR. 20...	1300	14.5	50	144	19
APR. 17...	1310	14.5	65	117	21
MAY 20...	1400	14.5	57	166	26
JUNE 25...	1220	21.5	43	129	15
AUG. 13...	0945	20.0	47	204	26
SEP. 30...	1300	16.5	74	200	40

09420900 LAKE MEAD NEAR LAS VEGAS BEACH, NEV.

LOCATION.--Lat 36°06'30", long 114°49'10", (unsurveyed), Clark County, 2.8 mi (4.5 km) east-southeast of Las Vegas Beach, and 10 mi (16 km) northeast of Henderson.

PERIOD OF RECORD.--Chemical analyses: October 1968 to September 1974.

REMARKS.--Samples collected and field data furnished by U.S. Bureau of Reclamation, Boulder City, Nev.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DEPTH (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SLLFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
NOV.											
26...	1207	200	9.7	92	29	100	5.3	164	0	300	86
26...	1240	10	8.4	86	31	110	5.6	145	0	330	92
MAR.											
05...	0845	10	8.6	85	29	100	5.3	154	0	310	91
05...	0907	190	8.5	88	30	100	5.3	154	0	310	91
MAY											
28...	1009	10	--	81	30	100	4.8	142	0	310	87
28...	1012	183	9.5	89	30	100	5.0	161	0	300	89
AUG.											
26...	1020	10	7.3	78	31	110	5.0	104	0	310	99
26...	1040	204	9.9	85	29	100	6.0	164	0	280	87

DATE	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	WATER TEMPERATURE (DEG C)	FIELD PH (UNITS)	DISSOLVED OXYGEN (MG/L)
NOV.													
26...	--	--	--	--	--	--	703	350	2.3	1120	13.0	7.5	6.6
26...	.17	.00	.12	.27	.03	.02	735	340	2.6	1140	17.0	7.8	4.0
MAR.													
05...	.33	.01	.02	.28	.02	.01	706	330	2.4	1110	12.0	8.1	8.5
05...	--	--	--	--	--	--	709	340	2.3	1120	12.5	8.1	8.6
MAY													
28...	.06	.02	.09	.39	.02	.03	E692	330	2.4	1100	23.0	7.3	8.9
28...	--	--	--	--	--	--	702	350	2.3	1130	13.0	7.8	6.1
AUG.													
26...	.00	.00	.07	.85	.03	.01	692	320	2.7	1130	29.5	8.4	8.4
26...	--	--	--	--	--	--	678	330	2.4	1100	14.5	7.8	4.4

E: ESTIMATED.

DATE	TRANSPARENCY, SECCHI DISK (FEET)
MAR.	
5...	19
MAY	
28...	19
AUG.	
26...	6

09420950 LAKE MEAD AT SADDLE ISLAND, NEV.

LOCATION.--Lat 36°03'45", long 114°47'40", in NE¼ sec.11, T.22 S., R.64 E., Clark County, directly offshore from Southern Nevada Water Project intake structure on Saddle Island, and 7 mi (11 km) north-northeast of Boulder City.

PERIOD OF RECORD.--Chemical analyses: October 1968 to September 1974.

REMARKS.--Samples collected and field data furnished by U.S. Bureau of Reclamation, Boulder City, Nev.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DEPTH (FT)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
NOV.											
26...	1400	10	8.4	84	30	110	5.6	145	0	320	91
26...	1407	130	9.0	86	29	100	5.3	161	0	310	88
MAR.											
05...	1030	10	8.8	85	29	100	5.3	155	0	310	89
05...	1040	230	8.6	86	29	100	5.3	155	0	310	90
MAY											
29...	0850	10	--	83	30	100	4.9	148	0	310	86
29...	0854	233	9.2	86	29	100	4.7	160	0	290	85
AUG.											
26...	1240	10	7.2	72	31	110	6.5	--	--	300	92
26...	1253	237	9.8	85	29	99	4.8	185	0	280	84

DATE	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	WATER TEMPER-ATURE (DEG C)	FIELD PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)
NOV.													
26...	.18	.00	.09	.32	.02	.00	721	330	2.6	1130	17.0	8.2	7.5
26...	--	--	--	--	--	--	707	330	2.4	1130	16.0	7.7	4.0
MAR.													
05...	.44	.00	.02	.27	.04	.02	705	330	2.4	1110	12.0	8.1	7.8
05...	--	--	--	--	--	--	705	330	2.4	1110	12.0	8.1	7.1
MAY													
29...	.11	.00	.12	.49	.02	.02	E697	330	2.4	1120	21.5	--	8.6
29...	--	--	--	--	--	--	683	330	2.4	1100	13.0	--	9.0
AUG.													
26...	.08	.00	.05	.55	.08	.01	--	310	2.7	1090	30.0	8.6	8.4
26...	--	--	--	--	--	--	683	330	2.4	1090	14.4	7.6	8.2

E: ESTIMATED.

DATE	TRANSPARENCY, SECCHI DISK (FEET)
Mar.	
5...	32
May	
29...	22
Aug.	
26...	8

09421000 LAKE MEAD AT HOOVER DAM, ARIZ.-NEV.

LOCATION.--Lat 36°00'58", long 114°44'13", in NE¼SW¼ sec.3, T.30 N., R.23 W., Gila and Salt River meridian, on State line between Mohave County, Ariz., and Clark County, Nev., at gaging station midway between Hoover Dam intake towers.

DRAINAGE AREA.--167,800 mi² (434,600 km²), approximately.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DEPTH (FT)	TEMPERATURE (DEG C)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
NOV.								
13...	.0	19.5	8.0	84	31	110	5.0	140
13...	10	19.5	--	--	--	--	--	139
13...	25	19.5	--	--	--	--	--	139
13...	75	19.5	--	--	--	--	--	139
13...	125	15.0	8.7	87	30	100	5.0	156
13...	175	13.5	--	--	--	--	--	157
13...	225	13.0	--	--	--	--	--	159
13...	275	12.0	9.2	85	28	99	4.0	159
13...	285	12.0	8.9	85	28	99	4.0	159
13...	325	12.0	--	--	--	--	--	159
13...	375	12.0	--	--	--	--	--	160
13...	425	12.0	9.4	85	29	99	4.0	160
13...	460	12.0	--	--	--	--	--	161
28...	.0	17.0	8.4	86	30	110	5.0	146
28...	10	17.0	--	--	--	--	--	144
28...	25	17.0	--	--	--	--	--	144
28...	75	17.0	--	--	--	--	--	144
28...	125	16.5	8.0	86	30	110	4.0	144
28...	175	14.0	8.9	86	30	100	4.0	157
28...	225	13.0	8.4	86	28	99	4.0	157
28...	275	12.0	--	--	--	--	--	159
28...	286	12.0	8.9	86	28	96	4.0	159
28...	325	12.0	--	--	--	--	--	160
28...	375	12.0	--	--	--	--	--	157
28...	425	12.0	10	85	29	97	4.0	160
28...	460	12.0	--	--	--	--	--	161
DEC.								
27...	.0	14.5	8.7	86	31	110	5.0	149
27...	10	14.5	--	--	--	--	--	--
27...	25	14.5	--	--	--	--	--	--
27...	75	14.5	--	--	--	--	--	--
27...	125	14.5	8.5	86	31	110	5.0	148
27...	175	13.5	8.5	86	30	100	5.0	159
27...	225	13.0	8.5	85	28	99	5.0	160
27...	275	12.0	--	--	--	--	--	--
27...	285	12.0	8.9	85	28	99	4.0	161
27...	325	12.0	--	--	--	--	--	--
27...	375	12.0	--	--	--	--	--	--
27...	425	12.0	9.3	85	29	99	5.0	161
27...	456	12.0	--	--	--	--	--	--
JAN.								
30...	.0	13.0	8.0	86	30	100	4.0	153
30...	10	13.0	--	--	--	--	--	153
30...	25	13.0	--	--	--	--	--	151
30...	75	13.0	--	--	--	--	--	153
30...	125	13.0	--	--	--	--	--	151
30...	175	13.0	--	--	--	--	--	151
30...	225	13.0	7.8	86	31	100	4.0	153
30...	275	12.0	9.2	86	29	98	4.0	159
30...	285	12.0	9.0	86	29	95	3.0	160
30...	325	12.0	--	--	--	--	--	160
30...	375	12.0	--	--	--	--	--	160
30...	425	12.0	10	86	28	95	3.0	161
30...	458	12.0	--	--	--	--	--	163

09421000 LAKE MEAD AT HOOVER DAM, ARIZ.-NEV.—Continued

PERIOD OF RECORD.--Chemical analyses: October 1940 to September 1974.

REMARKS.--Samples and field data collected by U.S. Bureau of Reclamation. Non-nutrient samples analyzed by Metropolitan Water District of Southern California, LaVerne, Calif.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	FIELD PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)
NOV.									
13...	0	310	93	711	340	2.6	1120	7.6	7.4
13...	0	--	93	--	--	--	1120	8.0	7.2
13...	0	--	91	--	--	--	1120	8.0	7.0
13...	0	--	91	--	--	--	1120	8.0	7.0
13...	0	300	89	698	340	2.4	1110	7.5	4.4
13...	0	--	88	--	--	--	1100	7.6	6.0
13...	0	--	83	--	--	--	1060	7.6	7.0
13...	0	280	82	667	330	2.4	1060	7.6	7.0
13...	0	280	83	668	330	2.4	1060	7.6	6.9
13...	0	--	83	--	--	--	1060	7.6	6.9
13...	0	--	83	--	--	--	1060	7.5	6.6
13...	0	290	84	680	330	2.4	1080	7.4	5.4
13...	0	--	85	--	--	--	1090	7.3	3.4
28...	0	310	92	714	340	2.6	1130	7.7	6.4
28...	0	--	92	--	--	--	1130	7.9	6.4
28...	0	--	91	--	--	--	1130	7.9	6.4
28...	0	--	90	--	--	--	1130	7.9	6.5
28...	0	320	90	720	340	2.6	1130	7.9	6.6
28...	0	300	87	695	340	2.4	1100	7.7	5.4
28...	0	290	82	676	330	2.4	1080	7.7	6.2
28...	0	--	80	--	--	--	1050	7.7	6.0
28...	0	280	80	663	330	2.3	1050	7.7	6.2
28...	0	--	81	--	--	--	1050	7.7	5.9
28...	0	--	82	--	--	--	1060	7.6	5.6
28...	0	280	82	667	330	2.3	1060	7.6	4.9
28...	0	--	83	--	--	--	1060	7.5	3.0
DEC.									
27...	0	320	90	725	340	2.6	1120	8.1	0.0
27...	--	--	90	--	--	--	1120	8.1	0.0
27...	--	--	90	--	--	--	1120	8.2	0.0
27...	--	--	90	--	--	--	1120	8.2	0.0
27...	0	320	90	725	340	2.6	1120	8.2	0.0
27...	0	290	84	683	340	2.4	1080	8.0	1.0
27...	0	290	82	678	330	2.4	1060	8.0	1.5
27...	--	--	80	--	--	--	1050	8.0	1.5
27...	0	280	80	666	330	2.4	1050	8.0	1.5
27...	--	--	80	--	--	--	1050	7.9	1.0
27...	--	--	78	--	--	--	1060	7.9	2.0
27...	0	290	82	681	330	2.4	1070	8.0	2.5
27...	--	--	82	--	--	--	1070	8.0	2.0
JAN.									
30...	0	300	88	692	340	2.4	1100	7.7	7.2
30...	0	--	88	--	--	--	1100	7.9	7.2
30...	0	--	88	--	--	--	1100	8.0	7.0
30...	0	--	87	--	--	--	1100	8.1	7.2
30...	0	--	88	--	--	--	1100	8.2	7.2
30...	0	--	88	--	--	--	1100	8.2	7.3
30...	0	300	87	691	340	2.4	1100	8.1	7.0
30...	0	290	82	677	330	2.3	1070	8.0	6.0
30...	0	290	81	672	330	2.3	1070	7.9	6.0
30...	0	--	80	--	--	--	1070	7.9	5.8
30...	0	--	80	--	--	--	1050	7.9	5.8
30...	0	280	80	662	330	2.3	1060	7.8	5.2
30...	0	--	80	--	--	--	1070	7.7	3.4

09421000 LAKE MEAD AT HOOVER DAM, ARIZ.-NEV.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DEPTH (FT)	TEMPERATURE (DEG C)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
MAR.								
04...	.0	--	8.2	85	30	100	4.0	146
04...	10	13.0	--	--	--	--	--	153
04...	25	12.5	--	--	--	--	--	154
04...	75	12.0	--	--	--	--	--	154
04...	125	12.0	8.2	87	30	100	4.0	154
04...	175	12.0	--	--	--	--	--	154
04...	225	12.0	8.2	87	30	100	4.0	154
04...	275	12.0	8.5	87	30	100	4.0	157
04...	325	12.0	--	--	--	--	--	157
04...	375	12.0	--	--	--	--	--	157
04...	425	12.0	8.7	87	30	100	4.0	157
04...	455	12.0	--	--	--	--	--	159
29...	.0	14.5	8.5	87	30	100	4.0	154
29...	10	13.5	--	--	--	--	--	154
29...	25	13.5	8.5	87	29	100	4.0	154
29...	75	13.0	--	--	--	--	--	154
29...	125	12.5	--	--	--	--	--	154
29...	175	12.0	--	--	--	--	--	154
29...	225	12.0	8.2	87	29	100	4.0	155
29...	265	12.0	8.0	87	29	100	4.0	156
29...	275	12.0	--	--	--	--	--	156
29...	325	12.0	--	--	--	--	--	156
29...	375	12.0	--	--	--	--	--	156
29...	425	12.0	8.0	87	29	100	4.0	157
29...	452	12.0	--	--	--	--	--	157
APR.								
29...	.0	18.0	6.4	88	30	100	4.0	155
29...	10	18.0	--	--	--	--	--	155
29...	25	18.0	--	--	--	--	--	155
29...	75	14.5	--	--	--	--	--	155
29...	125	13.5	7.2	88	29	100	4.0	154
29...	175	13.0	--	--	--	--	--	155
29...	225	12.5	--	--	--	--	--	156
29...	262	12.0	7.4	88	29	100	4.0	156
29...	275	12.0	7.2	88	29	98	4.0	156
29...	325	12.0	--	--	--	--	--	156
29...	375	12.0	--	--	--	--	--	156
29...	425	12.0	7.2	88	28	98	4.0	159
29...	457	12.0	--	--	--	--	--	157
MAY								
29...	5.0	18.0	6.4	86	30	100	5.0	153
29...	10	18.0	--	--	--	--	--	--
29...	25	18.0	--	--	--	--	--	--
29...	75	18.0	--	--	--	--	--	--
29...	125	15.5	--	--	--	--	--	--
29...	175	13.5	--	--	--	--	--	--
29...	225	13.0	--	--	--	--	--	--
29...	260	12.0	8.0	86	30	100	5.0	156
29...	275	12.0	8.0	86	30	100	5.0	156
29...	325	12.0	8.0	86	30	100	5.0	157
29...	375	12.0	--	--	--	--	--	--
29...	425	12.0	8.0	86	30	100	4.0	159
29...	450	12.0	--	--	--	--	--	--
JUNE								
27...	.0	29.0	6.4	78	30	100	4.0	128
27...	10	28.0	--	--	--	--	--	128
27...	25	25.0	6.4	80	30	100	4.0	135
27...	75	19.0	6.7	86	29	100	4.0	151
27...	125	15.5	--	--	--	--	--	155
27...	175	13.5	8.5	88	29	100	4.0	155
27...	225	12.0	--	--	--	--	--	155
27...	260	12.0	8.5	88	28	98	4.0	156
27...	275	12.0	--	--	--	--	--	156
27...	325	12.0	--	--	--	--	--	156
27...	375	12.0	--	--	--	--	--	156
27...	425	12.0	8.5	88	28	98	4.0	157
27...	451	12.0	--	--	--	--	--	157

09421000 LAKE MEAD AT HOOVER DAM, ARIZ.-NEV.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	FIELD PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)
MAR.									
04...	0	310	86	695	340	2.4	1100	7.5	7.4
04...	0	--	87	--	--	--	1100	7.8	7.1
04...	0	--	87	--	--	--	1100	7.9	7.5
04...	0	--	85	--	--	--	1100	7.9	7.4
04...	0	300	86	692	340	2.4	1100	8.0	7.4
04...	0	--	86	--	--	--	1100	8.0	7.0
04...	0	300	86	692	340	2.4	1100	8.0	7.0
04...	0	300	85	692	340	2.4	1100	7.9	6.5
04...	0	--	85	--	--	--	1100	7.9	6.2
04...	0	--	85	--	--	--	1100	7.9	6.2
04...	0	290	87	685	340	2.4	1100	7.8	6.2
04...	0	--	86	--	--	--	1100	7.7	5.0
29...	0	300	86	692	340	2.4	1090	8.5	7.4
29...	0	--	87	--	--	--	1090	8.4	7.2
29...	0	300	86	692	340	2.4	1100	8.3	7.0
29...	0	--	85	--	--	--	1100	8.3	7.2
29...	0	--	85	--	--	--	1100	8.2	6.6
29...	0	--	86	--	--	--	1090	8.0	6.6
29...	0	300	86	692	340	2.4	1090	8.0	6.6
29...	0	300	84	690	340	2.4	1090	8.0	6.4
29...	0	--	84	--	--	--	1090	8.0	6.2
29...	0	--	84	--	--	--	1090	8.0	6.2
29...	0	--	84	--	--	--	1090	8.0	6.4
29...	0	290	83	680	340	2.4	1090	8.0	6.4
29...	0	--	83	--	--	--	1090	8.0	6.4
APR.									
29...	0	310	87	702	340	2.3	1100	8.4	8.2
29...	0	--	86	--	--	--	1110	8.5	8.0
29...	0	--	86	--	--	--	1100	8.5	8.0
29...	0	--	86	--	--	--	1100	8.2	7.6
29...	0	300	86	691	340	2.4	1100	8.0	7.4
29...	0	--	86	--	--	--	1100	8.0	6.9
29...	0	--	84	--	--	--	1090	8.0	6.9
29...	0	300	84	690	340	2.4	1090	8.0	6.6
29...	0	300	86	771	340	2.3	1090	7.9	6.6
29...	0	--	84	--	--	--	1090	7.9	6.5
29...	0	--	83	--	--	--	1090	7.9	6.5
29...	0	300	83	687	340	2.3	1100	7.9	6.5
29...	0	--	82	--	--	--	1070	7.8	6.2
MAY									
29...	0	300	89	692	340	2.4	1100	--	7.6
29...	--	--	88	--	340	--	1100	--	6.8
29...	--	--	87	--	340	--	1100	--	7.0
29...	--	--	87	--	340	--	1100	--	6.4
29...	--	--	86	--	340	--	1100	--	6.6
29...	--	--	86	--	340	--	1100	--	6.6
29...	--	--	85	--	340	--	1100	--	6.5
29...	0	290	85	682	340	2.4	1100	--	6.4
29...	0	300	85	692	340	2.4	1100	--	6.2
29...	0	300	84	691	340	2.4	1080	--	6.4
29...	--	--	83	--	340	--	1080	--	6.4
29...	0	290	83	680	340	2.4	1080	--	7.0
29...	--	--	82	--	330	--	1080	--	6.4
JUNE									
27...	0	310	88	680	320	2.4	1080	8.5	7.2
27...	0	--	87	--	--	--	1080	8.6	6.4
27...	0	300	87	674	320	2.4	1080	8.6	6.3
27...	0	300	87	688	330	2.4	1090	8.1	4.9
27...	0	--	87	--	--	--	1090	8.1	5.4
27...	0	300	87	694	340	2.4	1090	8.0	5.7
27...	0	--	85	--	--	--	1080	8.0	6.1
27...	0	290	85	680	340	2.3	1080	8.0	6.2
27...	0	--	84	--	--	--	1080	7.9	6.2
27...	0	--	84	--	--	--	1080	8.0	6.2
27...	0	--	84	--	--	--	1080	8.0	5.8
27...	0	290	84	679	340	2.3	1080	8.0	5.3
27...	0	--	83	--	--	--	1080	8.0	6.0

09421000 LAKE MEAD AT HOOVER DAM, ARIZ.-NEV.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DEPTH (FT)	TEMPER-ATURE (DEG C)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JULY								
30...	.0	26.0	5.7	79	30	100	5.0	129
30...	10	26.0	--	--	--	--	--	129
30...	25	25.5	--	--	--	--	--	131
30...	75	19.5	--	--	--	--	--	151
30...	125	15.0	7.2	88	29	100	5.0	155
30...	175	14.0	--	--	--	--	--	155
30...	225	13.0	--	--	--	--	--	157
30...	260	13.0	8.0	87	29	99	5.0	157
30...	275	12.0	7.6	87	29	99	4.0	157
30...	325	12.0	--	--	--	--	--	--
30...	375	12.0	--	--	--	--	--	157
30...	425	12.0	8.0	88	29	98	4.0	159
30...	451	12.0	--	--	--	--	--	159
AUG.								
27...	.0	30.5	5.2	76	31	110	4.0	118
27...	10	30.5	--	--	--	--	--	117
27...	25	29.0	5.2	78	30	110	4.0	122
27...	75	21.5	5.4	86	30	100	4.0	150
27...	125	18.0	--	--	--	--	--	153
27...	175	15.5	--	--	--	--	--	155
27...	225	14.0	6.8	87	28	100	5.0	157
27...	262	14.0	--	--	--	--	--	157
27...	275	14.0	6.8	87	28	100	5.0	157
27...	325	14.0	--	--	--	--	--	157
27...	375	14.0	--	--	--	--	--	157
27...	425	14.0	7.2	87	28	100	4.0	159
27...	453	13.5	--	--	--	--	--	160
SEP.								
26...	.0	28.0	6.4	77	32	100	5.0	120
26...	10	28.0	--	--	--	--	--	--
26...	25	26.5	--	--	--	--	--	120
26...	75	24.0	6.4	84	30	98	4.0	153
26...	125	18.0	--	--	--	--	--	153
26...	175	15.0	7.2	87	30	98	4.0	156
26...	225	13.5	8.0	86	30	98	4.0	159
26...	262	13.0	7.6	86	30	98	4.0	159
26...	275	12.0	--	--	--	--	--	159
26...	325	12.0	--	--	--	--	--	--
26...	375	12.0	--	--	--	--	--	159
26...	425	12.0	7.6	86	30	97	4.0	159
26...	453	12.0	--	--	--	--	--	159

DATE	TIME	DEPTH (FT)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L)	WATER TEMPER-ATURE (DEG C)
NOV.									
28...	1000	10	.23	.00	.09	.24	--	.01	17.0
MAR.									
04...	1215	10	.40	.00	.03	.22	--	.02	13.0
MAY									
29...	1009	10	.22	.01	.08	.27	--	.02	18.0
AUG.									
27...	0857	10	.00	.00	.04	.39	.01	.01	30.5

09421000 LAKE MEAD AT HOOVER DAM, ARIZ.-NEV.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	FIELD PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)
JULY									
30...	0	300	90	673	320	2.4	1090	7.9	5.6
30...	0	--	90	--	--	--	1090	8.1	5.2
30...	0	--	89	--	--	--	1090	8.2	4.4
30...	0	--	87	--	--	--	1090	7.8	3.4
30...	0	300	87	693	340	2.4	1090	8.0	5.4
30...	0	--	87	--	--	--	1090	7.8	5.6
30...	0	--	85	--	--	--	1090	7.9	5.8
30...	0	290	85	681	340	2.3	1090	7.9	5.9
30...	0	290	86	680	340	2.3	1080	8.0	5.8
30...	0	--	--	--	--	--	1090	7.9	5.8
30...	0	--	85	--	--	--	1080	7.9	5.6
30...	0	290	85	682	340	2.3	1080	7.9	5.2
30...	5	--	85	--	--	--	1070	7.9	4.8
AUG.									
27...	0	320	92	697	320	2.7	1090	8.1	8.4
27...	0	--	92	--	--	--	1100	8.5	8.1
27...	0	310	90	686	320	2.7	1100	8.3	6.3
27...	0	300	87	687	340	2.4	1100	7.7	2.4
27...	0	--	87	--	--	--	1100	7.7	4.2
27...	0	--	86	--	--	--	1100	7.8	5.7
27...	0	300	83	688	330	2.4	1080	7.9	6.0
27...	0	--	82	--	--	--	1070	7.8	5.8
27...	0	290	83	678	330	2.4	1070	7.8	6.2
27...	0	--	82	--	--	--	1070	7.8	6.2
27...	0	--	83	--	--	--	1080	7.8	5.4
27...	0	300	84	690	330	2.4	1080	7.7	5.3
27...	0	--	83	--	--	--	1070	7.7	5.0
SEP.									
26...	0	310	91	681	320	2.4	1100	8.2	5.7
26...	--	--	91	--	--	--	1100	8.1	5.5
26...	0	--	91	--	--	--	1100	7.9	4.2
26...	0	300	85	683	330	2.3	1100	7.8	2.0
26...	0	--	86	--	--	--	1100	7.8	3.6
26...	0	300	86	689	340	2.3	1100	8.0	5.6
26...	0	290	83	676	340	2.3	1090	7.9	6.0
26...	0	290	82	677	340	2.3	1070	7.8	6.2
26...	0	--	82	--	--	--	1070	7.8	6.0
26...	--	--	82	--	--	--	1070	7.9	6.2
26...	0	--	82	--	--	--	1070	7.9	5.8
26...	0	290	82	675	340	2.3	1070	8.0	5.4
26...	0	--	83	--	--	--	1070	7.7	4.2

DATE	TRANSPARENCY, SECCHI DISK (FEET)
JAN. 30	36
MAR. 4	26
MAR. 29	16
APR. 29	32
MAY 29	28
JUNE 27	16
AUG. 27	9
SEP. 26	18

09421500 COLORADO RIVER BELOW HOOVER DAM, ARIZ.-NEV.
(Irrigation network station)

LOCATION.--Lat 36°00'55", long 114°44'26", in NE¼SW¼ sec.3, T.30 N., R.23 W., Gila and Salt River meridian, on State line between Mohave County, Ariz., and Clark County, Nev., downstream from gaging station in Hoover Dam powerhouse.

DRAINAGE AREA.--167,800 sq mi (434,600 sq km), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1939 to September 1974.

REMARKS.--Nutrient and trace-metal data furnished by U.S. Environmental Protection Agency, San Francisco, Calif.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 16...	0945	15460	9.0	84	28	110	4.8	166	0	290
NOV. 19...	1340	11090	9.4	80	27	100	4.8	162	0	300
DEC. 20...	1000	14600	9.6	85	28	100	4.8	162	0	270
JAN. 16...	1450	2880	9.1	84	28	100	5.3	155	0	300
FEB. 15...	1200	21300	8.8	87	29	100	5.5	154	0	310
MAR. 26...	1530	25800	8.8	86	29	100	5.3	156	0	310
APR. 17...	1300	32600	8.8	90	29	100	4.6	158	0	300
MAY 21...	1530	27150	9.0	87	29	99	5.6	160	0	300
JUNE 13...	1215	30250	9.0	87	29	100	4.6	160	0	290
JULY 17...	1450	30000	9.4	88	29	100	4.8	160	0	290
AUG. 19...	1405	25400	9.4	87	29	100	5.5	162	0	290
SEP. 25...	1430	30000	9.3	80	29	98	4.8	163	0	270

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	WATER TEMPERATURE (DEG C)	NITRATE (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)
OCT. 16...	85	170	697	697	29100	330	2.7	1080	11.5	.53	.01
NOV. 19...	82	120	700	686	21000	310	2.5	1080	10.5	--	--
DEC. 20...	87	120	707	668	27900	330	2.4	1080	11.5	--	--
JAN. 16...	88	130	719	694	5590	330	2.4	1110	12.0	.44	.02
FEB. 15...	86	140	708	705	40700	340	2.4	1100	10.5	--	--
MAR. 26...	87	140	726	706	50500	330	2.4	1110	10.5	--	--
APR. 17...	88	160	730	701	64200	340	2.3	1100	12.0	--	--
MAY 21...	85	140	722	696	52900	340	2.3	1120	12.0	--	--
JUNE 13...	83	140	731	684	59700	340	2.4	1110	12.0	--	--
JULY 17...	85	140	710	687	57500	340	2.4	1090	12.0	--	--
AUG. 19...	86	130	715	689	49000	340	2.4	1090	13.0	--	--
SEP. 25...	80	--	714	653	57800	320	2.4	1080	13.0	--	--

DATE	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED VANADIUM (V) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
JAN. 16...	20	<5	4	<10	<5	10	<100	60	<100	20

09423000 COLORADO RIVER BELOW DAVIS DAM, ARIZ.-NEV.

LOCATION.--Lat 35°11'30", long 114°34'17", in SE¼NE¼ sec.1, T.32 S., R.66 E., Mount Diablo meridian, in Clark County, Nev. at gaging station on right bank 0.5 mi (0.8 km) downstream from Davis Dam, 29 miles (47 km) west of Kingman, Ariz., and 68 mi (109 km) downstream from Hoover Dam.

DRAINAGE AREA.--169,300 sq mi (438,500 sq km), approximately.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 01...	1135	19300	10	82	29	110	5.1	147	0	330
NOV. 01...	0745	4730	9.1	82	29	110	5.6	148	0	290
DEC. 17...	1330	14230	9.5	83	30	110	5.1	152	0	290
FEB. 01...	0730	20110	9.1	87	29	100	5.1	157	0	310
MAR. 01...	0840	15630	9.1	86	30	100	5.2	160	0	300
APR. 04...	0930	19490	8.8	86	29	110	4.9	159	0	300
MAY 01...	0745	13610	5.9	88	29	100	5.0	157	0	310
JUNE 03...	1230	19420	7.2	87	29	100	4.9	158	0	300
JULY 01...	1530	24540	8.5	86	28	100	5.5	156	0	290
AUG. 01...	0850	13710	9.2	86	30	100	5.7	155	0	300
SEP. 03...	1140	19450	9.1	87	29	100	4.8	154	0	290

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	WATER TEMPERATURE (DEG C)
OCT. 01...	90	150	736	730	38400	320	2.7	1110	19.0
NOV. 01...	92	150	716	692	9150	320	2.7	1110	17.0
DEC. 17...	91	130	731	696	28100	330	2.6	1110	11.5
FEB. 01...	91	140	718	710	39000	340	2.4	1090	9.0
MAR. 01...	88	130	720	699	30400	340	2.4	1110	10.0
APR. 04...	86	140	734	705	38600	330	2.6	1110	14.0
MAY 01...	88	140	727	705	26700	340	2.4	1120	16.0
JUNE 03...	86	140	726	693	38100	340	2.4	1120	18.0
JULY 01...	87	150	717	684	47500	330	2.4	1100	18.5
AUG. 01...	91	140	716	700	26500	340	2.4	1100	18.0
SEP. 03...	88	140	727	685	38200	340	2.4	1100	16.0

10244950 STEPTOE CREEK NEAR ELY, NEV.
(Hydrologic bench-mark station)

LOCATION.--Lat 39°12'05", long 114°41'15", in NW¼SW¼ sec.32, T.16 N., R.65 E., White Pine County, at gaging station 0.1 mi (0.2 km) downstream from Clear Creek, 0.8 mi (1.3 km) upstream from Cave Creek, and 11 miles (18 km) east-southeast of Ely.

DRAINAGE AREA.--11.1 sq mi (28.7 sq km).

PERIOD OF RECORD.--Chemical analyses: March 1968 to September 1974.
Water temperatures: October 1966 to September 1974.
Sediment records: February 1968 to September 1974.

EXTREMES.--1973-74:
Specific conductance: Maximum, 330 micromhos Jan. 30; minimum 287 micromhos July 16.
Water temperature: Maximum daily, 10.5°C May 5; minimum daily 4.0°C on several days in December and January.

Period of record:
Specific conductance: Maximum, 382 micromhos Apr. 2, 1969; minimum, 249 micromhos Jan. 27, 1971.
Water temperature: Maximum daily, 11.0°C on many days in May, July, and August of most years; minimum daily, 2.5°C Dec. 9, 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT. 31...	1400	4.4	7.6	47	11	1.8	.6	196	0
DEC. 12...	1455	4.4	7.3	53	11	2.4	.5	200	0
JAN. 30...	1445	4.6	7.1	54	12	2.7	.7	198	0
MAR. 19...	1400	4.6	7.2	54	11	1.7	.6	200	0
MAY 14...	1500	9.0	7.1	58	8.4	1.7	.6	195	0
JUNE 11...	1330	8.0	6.7	51	8.6	1.7	.4	181	0
JULY 16...	1320	4.8	7.1	48	9.1	1.9	.6	178	0
AUG. 20...	1150	4.2	6.9	50	10	1.8	.4	185	0

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
OCT. 31...	7.3	1.3	--	--	--	.15	--	--	.01
DEC. 12...	8.3	2.2	.0	.18	.00	.18	--	.01	.00
JAN. 30...	10	2.2	.0	.19	.00	.19	.04	.02	.00
MAR. 19...	8.7	1.6	.2	.13	.00	.13	--	.02	.02
MAY 14...	8.9	1.3	.2	.12	.00	.12	--	--	.02
JUNE 11...	6.9	1.6	.0	.09	.01	.10	--	.02	.05
JULY 16...	8.4	1.5	.1	--	--	--	--	--	--
AUG. 20...	8.1	1.8	.1	.12	.00	.12	--	--	.01

DATE	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	FIELD PH (UNITS)	WATER TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
OCT. 31...	174	2.07	160	.1	311	8.8	8.0	9.2
DEC. 12...	184	2.19	180	.1	304	8.9	5.0	9.8
JAN. 30...	187	2.32	180	.1	330	8.5	6.0	9.6
MAR. 19...	184	2.29	180	.1	323	8.8	7.5	9.4
MAY 14...	183	4.45	180	.1	314	8.6	9.0	9.7
JUNE 11...	167	3.61	160	.1	289	8.7	10.5	9.6
JULY 16...	164	2.13	160	.1	287	8.6	9.0	9.8
AUG. 20...	171	1.94	170	.1	295	9.0	14.0	10.8

10244950 STEPTOE CREEK NEAR ELY, NEV.--Continued

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	8.5	7.0	8.0	7.0	6.5	5.5	4.5	4.0	6.0	5.5	7.0	6.0
2	8.5	7.0	7.5	6.0	6.5	5.5	4.0	4.0	5.5	5.0	6.0	4.5
3	8.0	6.5	7.0	6.0	6.5	5.5	4.5	4.0	5.5	5.0	6.0	5.0
4	8.0	6.0	7.0	6.0	6.5	5.5	5.0	4.0	6.0	5.5	6.5	5.0
5	8.0	6.5	7.0	6.0	6.5	5.5	5.0	4.5	5.5	5.0	6.5	5.5
6	7.5	6.5	7.5	6.5	6.5	6.0	5.0	5.0	5.5	5.0	7.0	6.0
7	8.5	7.0	8.0	7.0	6.5	6.5	6.0	6.0	5.5	5.0	7.0	5.5
8	7.5	7.0	8.0	7.0	6.5	6.0	6.0	6.0	6.0	5.0	6.5	6.0
9	7.0	6.5	8.0	6.5	---	---	6.0	5.5	6.0	5.0	7.0	5.5
10	7.0	6.0	8.0	7.0	---	---	5.5	5.0	6.0	5.5	7.5	5.5
11	7.0	6.0	8.0	7.0	---	---	6.0	5.0	6.0	5.5	7.5	6.0
12	8.0	6.5	7.5	6.5	5.0	5.0	6.0	6.0	6.0	5.5	7.5	6.0
13	8.5	7.0	7.0	6.5	5.0	5.0	6.0	6.0	6.5	5.5	7.5	6.0
14	8.5	7.0	6.5	6.0	5.0	4.0	6.0	6.0	6.0	5.5	8.0	6.0
15	8.5	7.0	7.0	6.0	5.0	4.0	6.0	6.0	6.5	5.5	8.5	6.5
16	8.5	7.0	7.0	6.0	5.0	5.0	---	---	6.5	6.0	8.0	6.5
17	8.5	7.0	7.0	6.0	5.0	5.0	---	---	6.0	5.5	8.0	6.5
18	8.5	7.0	7.0	5.5	5.0	4.5	---	---	6.0	5.0	8.0	5.5
19	8.5	7.0	6.5	5.5	5.0	4.5	---	---	6.0	5.0	8.0	5.5
20	8.5	7.0	7.0	5.5	5.0	4.5	---	---	5.5	5.0	7.5	5.0
21	8.0	7.0	6.0	5.5	5.0	4.5	---	---	6.0	5.0	7.5	5.0
22	8.0	7.0	6.5	5.5	5.0	5.0	---	---	5.5	5.0	7.5	5.5
23	7.5	6.5	6.5	6.0	5.0	5.0	---	---	6.0	5.0	8.0	5.5
24	7.5	6.0	6.0	5.5	5.0	4.0	---	---	6.0	5.0	8.0	5.5
25	7.5	6.0	6.5	5.5	5.0	4.0	---	---	6.0	5.5	8.0	5.5
26	7.5	6.0	6.0	6.0	5.0	4.0	---	---	6.5	5.5	7.0	6.0
27	7.5	6.0	6.5	6.0	5.0	4.5	---	---	6.5	5.5	7.0	6.0
28	8.0	7.0	6.5	6.0	5.0	5.0	---	---	6.5	6.0	7.0	6.0
29	7.0	6.0	6.5	6.5	5.5	5.0	---	---	---	---	8.0	6.0
30	7.0	6.5	6.5	6.0	5.0	4.0	6.0	5.5	---	---	8.0	6.0
31	8.0	6.5	---	---	5.0	4.0	6.0	5.5	---	---	8.0	5.5
MONTH	8.5	6.0	8.0	5.5	6.5	4.0	---	---	6.5	5.0	8.5	4.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.5	6.0	10.0	6.0	8.5	6.0	9.5	7.0	9.5	7.5	9.5	7.0
2	6.0	5.0	8.5	6.5	8.0	6.5	9.0	7.0	9.5	7.5	10.0	7.5
3	6.5	5.0	8.5	6.5	8.0	6.5	9.5	6.5	9.5	7.5	9.5	7.5
4	7.5	5.0	10.0	6.5	8.0	6.5	9.5	7.0	9.5	7.5	9.5	8.0
5	8.5	5.5	10.5	6.5	8.0	6.5	9.5	7.0	8.5	7.5	10.0	8.0
6	8.0	5.5	10.0	7.0	9.0	6.0	9.5	7.0	9.5	7.5	10.0	7.5
7	8.5	5.5	10.0	7.0	8.5	6.0	9.0	6.5	8.5	7.0	10.0	8.0
8	6.5	6.0	9.5	6.5	8.5	5.5	9.0	6.5	9.0	7.0	10.0	7.5
9	6.5	5.5	9.5	6.5	9.0	5.5	9.5	7.0	9.5	7.0	10.0	7.5
10	6.5	5.0	9.0	6.5	9.0	6.0	9.0	7.0	9.0	6.5	10.0	8.0
11	8.0	5.5	9.5	6.0	9.5	6.5	9.0	6.5	9.5	7.0	10.0	7.0
12	8.0	5.0	8.5	6.5	8.0	6.5	9.5	6.5	9.5	7.0	9.5	7.0
13	8.0	5.0	8.5	6.0	9.0	7.0	9.5	7.0	9.5	7.0	9.0	7.0
14	8.5	5.0	9.0	6.0	9.5	7.0	8.5	7.0	9.5	7.0	9.0	7.0
15	9.0	5.5	9.0	6.0	9.0	6.5	8.5	7.5	9.5	7.0	9.5	7.0
16	9.5	5.5	9.0	5.5	9.0	6.5	9.0	7.5	9.5	7.0	9.5	7.5
17	10.0	6.0	8.5	6.0	9.0	6.5	9.0	7.5	9.5	7.0	9.5	7.5
18	9.5	6.0	7.5	5.5	9.0	6.5	8.5	7.5	9.0	7.0	10.0	7.5
19	8.5	5.5	6.0	5.0	9.0	7.0	9.0	7.5	9.0	6.5	10.0	7.5
20	9.0	6.0	7.5	5.0	9.0	6.5	8.5	7.5	9.5	7.0	10.0	7.5
21	9.5	5.5	8.5	5.5	9.0	6.5	10.0	7.0	9.5	6.5	10.0	7.5
22	9.0	6.0	8.0	6.0	9.0	6.5	9.5	7.0	9.5	7.0	10.0	7.5
23	10.0	6.0	8.0	6.0	9.0	6.5	10.0	7.5	10.0	7.5	10.0	8.0
24	9.5	6.0	9.0	6.0	9.5	6.5	8.5	7.5	9.0	7.5	9.5	8.0
25	9.5	6.0	9.5	6.5	9.5	7.0	8.5	7.5	9.0	7.5	9.0	8.0
26	7.0	5.5	9.0	6.5	9.0	6.5	9.5	7.5	9.0	7.5	9.5	7.5
27	8.0	5.0	9.0	6.5	9.0	6.5	9.0	7.5	9.5	7.5	9.0	7.0
28	8.0	5.0	9.0	6.5	9.0	6.5	9.0	7.5	10.0	7.5	9.0	6.5
29	10.0	5.5	9.0	6.0	9.5	7.0	9.0	7.5	10.0	7.5	9.0	7.0
30	10.0	5.5	9.0	6.0	9.5	7.0	9.0	7.5	9.5	7.5	9.5	7.5
31	---	---	9.5	6.0	---	---	9.0	7.5	9.0	7.0	---	---
MONTH	10.0	5.0	10.5	5.0	9.5	5.5	10.0	6.5	10.0	6.5	10.0	6.5
YEAR	10.5	4.0										

10244950 STEPTOE CREEK NEAR ELY, NEV.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	ALDRIN (UG/L)	ALDRIN IN BOTTOM DEPOSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DEPOSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DEPOSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DEPOSITS (UG/KG)	DIELDRIN (UG/L)
OCT. 31...	1530	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	DIELDRIN IN BOTTOM DEPOSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DEPOSITS (UG/KG)	HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM DEPOSITS (UG/KG)	HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM DEPOSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DEPOSITS (UG/KG)	CHLORDANE (UG/L)
OCT. 31...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0

DATE	CHLORDANE IN BOTTOM DEPOSITS (UG/KG)	DIAZINON (UG/L)	MALATHION (UG/L)	METHYL PARATHION (UG/L)	PARATHION (UG/L)	2,4-D (UG/L)	SILVEX (UG/L)	2,4,5-T (UG/L)	PCB (UG/L)	PCB IN BOTTOM DEPOSITS (UG/KG)
OCT. 31...	0	.00	.00	.00	.00	.00	.00	.00	.0	0

DATE	TIME	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	HEXAVALENT CHROMIUM (CR) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	DISSOLVED SILVER (AG) (UG/L)
OCT. 31...	1400	2	0	0	0	1	.1	1	0

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL SILVER (AG) (UG/L)
MAY 14...	1500	340	20	8	10	0	70	<100	.0	2	10	0	<10

DATE	TIME	DISSOLVED RA-226 (RADON METHOD) (PC/L)	DISSOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUSPENDED GROSS ALPHA AS U-NAT. (UG/L)	DISSOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUSPENDED GROSS BETA AS SR90 /Y90 (PC/L)	DISSOLVED GROSS BETA AS CS-137 (PC/L)	SUSPENDED GROSS BETA AS CS-137 (PC/L)	DISSOLVED URANIUM (U) (UG/L)
OCT. 31...	1545	.04	3.4	<.4	1.0	<.4	1.2	<.4	.38

DATE	TIME	WATER TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC. 12...	1455	5.0	4.4	4	.05
JAN. 30...	1445	6.0	4.6	12	.15
MAR. 19...	1410	7.5	4.6	30	.37
MAY 14...	1530	9.0	9.0	28	.68
JUNE 11...	1330	10.5	8.0	11	.24
JULY 16...	1345	9.0	4.6	15	.19
AUG. 20...	1200	14.0	4.2	3	.03

10249300 SOUTH TWIN RIVER NEAR ROUND MOUNTAIN, NEV.
(Hydrologic bench-mark station)

LOCATION.--Lat 38°53'00", long 117°14'35", in SE¼ sec.22, T.12 N., R.42 E., Nye County, at gaging station 600 ft (183 m) upstream from diversion, 3 mi (5 km) west of State Highway 8A, and 15 mi (24 km) northwest of Round Mountain.

DRAINAGE AREA.--20 sq mi (52 sq km).

PERIOD OF RECORD.--Chemical analyses: October 1967 to September 1974.
Water temperatures: April 1966 to September 1968, November 1969 to September 1974.
Sediment records: October 1967 to September 1974.

EXTREMES.--1973-74:
Specific conductance: Maximum, 130 micromhos Nov. 1; minimum 82 micromhos June 13.
Water temperature: Maximum daily, 15.0°C Sept. 8; minimum daily, 1.0°C on several days in February.

Period of record:
Specific conductance: Maximum 140 micromhos Dec. 18, 1970; minimum, 75 micromhos June 16, 1971.
Water temperature: Maximum daily, 17.0°C July 25, 29, 1966 and on several days in July and August 1972; minimum daily, freezing point on several days in many years.

REVISIONS.--Revised data for 24-hour period during July 16-17, 1973, are as follows:

DATE	TIME	DISSOLVED OXYGEN (MG/L)	DISSOLVED OXYGEN (PERCENT OF SATURATION)
JUL. 16...	1235	8.8	--
	1300	8.8	--
	1400	8.6	92
	1500	8.6	92
	1600	8.6	92
	1700	8.5	91
	1800	8.5	91
	1900	8.5	91
	2000	8.5	90
JUL. 16...	2100	8.5	89
	2200	8.5	88
	2300	8.6	90
	2400	8.6	90
JUL. 17...	0100	8.6	89
	0200	8.6	89
	0300	8.6	88
	0400	8.6	88
JUL. 17...	0500	8.6	88
	0600	8.6	88
	0700	8.6	88
	0800	8.6	88
	0900	8.6	88
	1000	8.6	89
	1100	8.4	88
	1200	8.3	88
	1300	8.2	88

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
NOV. 01...	1250	2.0	22	17	1.5	6.6	1.0	72	0
DEC. 13...	1410	2.1	20	17	1.4	6.9	.8	71	0
JAN. 31...	1530	2.3	19	17	1.3	5.8	.9	64	0
MAR. 21...	1500	3.8	19	17	1.4	6.1	.9	63	0
JUNE 13...	1630	7.8	21	11	1.1	5.0	.8	45	0
JULY 19...	1125	2.9	21	14	--	6.2	.9	60	0
AUG. 22...	1045	1.2	22	17	--	6.8	.9	67	0

10249300 SOUTH TWIN RIVER NEAR ROUND MOUNTAIN, NEV.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L)	DIS-SOLVED CRTHO. PHOS-PHORUS (P) (MG/L)
NOV.									
01...	5.9	1.9	--	--	--	.02	--	--	.05
DEC.									
13...	5.6	--	.1	.02	.00	.02	--	.02	.02
JAN.									
31...	6.6	2.0	.1	.28	.00	.28	.05	.03	.02
MAR.									
21...	6.8	2.3	.2	.04	.00	.04	--	.03	.03
JUNE									
13...	3.8	.9	.0	--	--	.01	--	--	.01
JULY									
19...	5.0	1.7	.1	.01	.00	.01	--	--	.01
AUG.									
22...	5.6	1.7	.2	.28	.00	.28	--	--	.00

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	HARD-NESS (CA,MG) (MG/L)	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	FIELD PH (UNITS)	WATER TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
NOV.								
01...	92	.50	49	.4	130	8.4	6.5	9.9
DEC.								
13...	E90	E.51	48	.4	120	8.1	4.0	10.3
JAN.								
31...	86	.53	48	.4	124	8.6	3.0	10.8
MAR.								
21...	85	.87	48	.4	127	8.7	6.5	10.2
JUNE								
13...	66	1.39	32	.4	82	8.6	13.5	8.7
JULY								
19...	E79	E.62	--	--	106	8.7	14.0	8.0
AUG.								
22...	E90	E.29	--	--	121	--	11.0	9.6

E: ESTIMATED.

10249300 SOUTH TWIN RIVER NEAR ROUND MOUNTAIN, NEV.--Continued

TEMPERATURE (DEG. C) OF WATER . WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	10.5	10.0	6.5	5.5	3.5	3.0	1.5	1.5	3.0	2.5	5.0	4.0
2	10.5	9.5	6.5	5.0	3.0	1.5	1.5	1.5	2.5	1.5	5.0	3.5
3	9.5	8.5	5.0	3.5	1.5	1.5	1.5	1.5	1.5	1.5	3.5	3.0
4	8.5	8.0	3.5	2.0	1.5	1.5	1.5	1.5	2.0	1.5	3.0	2.0
5	8.5	8.0	4.0	2.0	2.5	1.5	1.5	1.5	2.0	1.5	4.0	2.0
6	9.0	8.5	5.5	4.0	2.5	2.5	1.5	1.5	1.5	1.0	5.0	4.0
7	9.0	8.5	7.5	5.5	3.0	2.5	2.0	1.5	1.0	1.0	5.0	4.0
8	9.0	8.0	7.5	6.0	3.0	2.5	2.0	2.0	1.0	1.0	5.5	4.5
9	8.0	7.0	6.0	5.5	2.5	2.0	2.0	2.0	1.0	1.0	6.0	5.0
10	7.0	6.0	7.0	6.0	2.0	2.0	2.0	1.5	1.5	1.0	6.0	5.0
11	6.0	6.0	7.5	7.0	2.5	2.0	2.0	1.5	2.0	2.0	6.5	5.5
12	7.5	6.5	7.5	6.0	2.5	2.0	2.0	2.0	2.5	2.0	6.5	5.5
13	8.0	7.5	6.0	5.0	4.0	2.5	2.0	2.0	3.0	3.0	7.0	5.5
14	9.0	8.0	5.0	4.5	3.5	2.5	2.0	2.0	3.0	3.0	8.0	6.0
15	9.0	9.0	4.5	4.5	2.5	2.0	2.5	2.0	3.0	3.0	8.0	6.5
16	9.5	9.0	4.5	4.5	3.0	2.0	2.5	2.5	3.5	3.0	8.0	7.0
17	9.5	9.0	5.0	4.5	3.0	3.0	3.0	2.5	3.5	3.0	8.0	7.0
18	9.5	9.0	5.0	4.0	3.0	2.0	3.0	3.0	3.0	2.5	8.0	6.5
19	9.5	8.5	4.0	2.5	2.0	1.5	3.0	3.0	3.0	3.0	7.0	5.0
20	9.5	8.5	2.5	2.0	1.5	1.5	3.0	3.0	3.0	2.5	7.0	5.5
21	9.0	8.5	2.5	2.0	2.0	1.5	3.0	2.0	2.5	2.0	6.5	5.0
22	9.0	8.5	2.0	1.5	2.0	2.0	1.5	1.5	2.0	2.0	6.5	5.0
23	8.5	7.0	2.0	1.5	2.0	2.0	1.5	1.5	2.0	2.0	7.0	5.0
24	7.0	6.0	2.5	2.0	2.0	1.5	2.0	1.5	2.0	2.0	7.0	5.0
25	6.5	6.0	2.0	1.5	2.0	1.5	2.0	2.0	3.0	2.0	7.0	6.0
26	6.5	6.0	1.5	1.5	2.0	1.5	2.0	2.0	3.5	3.0	7.0	7.0
27	6.0	5.5	2.0	1.5	3.5	2.0	2.0	2.0	4.0	3.0	7.5	7.0
28	6.5	6.0	2.5	2.0	4.0	3.5	2.5	2.0	4.0	4.0	7.5	7.0
29	6.5	5.5	3.5	2.5	4.5	4.0	2.5	2.0	---	---	8.0	6.0
30	5.5	4.5	3.5	3.5	4.0	1.5	2.5	2.0	---	---	8.0	7.0
31	6.0	5.0	---	---	1.5	1.5	3.0	2.5	---	---	7.0	5.0
MONTH	10.5	4.5	7.5	1.5	4.5	1.5	3.0	1.5	4.0	1.0	8.0	2.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.5	6.0	10.5	8.0	12.0	9.5	12.5	10.5	13.0	11.5	14.0	12.0
2	6.5	4.5	10.5	8.0	---	---	12.5	9.5	13.0	11.5	14.5	12.0
3	5.0	4.0	10.5	9.0	---	---	12.5	8.5	13.0	11.5	14.0	12.5
4	6.0	4.0	10.5	8.5	---	---	13.0	9.5	13.0	12.0	14.5	12.5
5	7.5	5.0	11.0	8.0	---	---	12.5	10.5	13.0	12.0	14.5	12.5
6	7.5	5.5	11.0	8.5	---	---	12.0	10.0	14.0	12.0	14.0	12.5
7	7.5	5.0	12.0	8.5	---	---	12.0	10.0	14.0	12.0	14.5	12.5
8	8.0	6.0	12.0	9.5	---	---	11.5	10.0	13.5	11.5	15.0	13.5
9	8.0	5.5	12.0	9.0	---	---	12.0	9.5	13.5	11.5	14.5	12.5
10	6.5	4.5	11.0	8.5	---	---	11.0	9.5	13.5	11.0	14.5	13.0
11	7.5	5.0	11.5	8.0	---	---	11.0	9.0	14.0	11.5	14.5	12.0
12	7.5	5.5	11.0	8.5	---	---	12.0	8.5	14.0	12.0	11.5	9.0
13	7.0	4.0	10.0	8.0	13.5	12.5	12.5	9.5	14.0	11.5	10.0	8.5
14	8.0	4.5	11.0	8.5	13.0	9.0	12.0	10.5	13.0	10.5	10.0	8.0
15	9.0	5.5	11.0	8.5	12.5	9.5	12.0	11.0	13.0	10.0	10.0	8.0
16	9.5	6.5	10.5	8.0	12.5	9.5	13.0	10.0	14.5	12.0	10.5	9.0
17	10.0	7.0	10.0	7.0	12.5	9.5	13.0	11.0	14.5	12.0	11.0	9.0
18	9.0	6.5	8.0	6.5	12.0	9.5	13.0	10.5	14.5	12.5	11.0	9.5
19	7.0	6.0	7.0	6.0	11.5	8.5	12.5	11.0	14.5	12.5	11.0	9.5
20	8.0	5.5	9.0	5.5	12.0	8.5	12.0	10.0	13.0	10.5	11.0	9.5
21	9.0	5.5	10.0	6.0	12.0	9.0	12.0	10.0	13.0	10.5	11.5	9.0
22	9.0	6.5	10.0	8.0	12.5	10.0	12.0	10.5	14.0	11.0	11.5	10.0
23	9.0	7.0	10.5	8.0	13.5	10.0	12.5	10.5	14.0	12.0	11.5	10.0
24	9.0	6.0	12.0	8.5	13.5	10.5	12.5	11.0	14.5	12.5	11.5	10.0
25	8.0	6.0	12.5	9.0	13.0	10.5	12.5	11.0	14.5	13.0	11.5	10.0
26	7.0	6.0	13.0	10.0	12.5	9.0	12.5	11.5	14.5	12.5	11.0	9.5
27	7.5	5.5	13.5	10.5	13.0	9.5	13.5	12.0	14.5	13.0	10.5	8.5
28	7.5	5.5	13.5	10.0	13.5	10.0	14.0	11.5	14.5	12.5	8.5	7.0
29	9.5	6.0	12.5	9.5	14.0	11.0	14.0	12.0	14.0	12.5	9.0	7.5
30	10.5	7.0	12.5	8.5	14.5	11.5	13.5	12.0	14.0	12.5	9.5	8.5
31	---	---	13.0	9.0	---	---	13.0	11.5	14.0	12.0	---	---
MONTH	10.5	4.0	13.5	5.5	---	---	14.0	8.0	14.5	10.0	15.0	7.0
YEAR	15.0	1.0										

10249300 SOUTH TWIN RIVER NEAR ROUND MOUNTAIN, NEV.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)
NOV. 01...	1315	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	CHLOR-DANE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	SILVEX (UG/L)	2,4,5-T (UG/L)	PCB (UG/L)
NOV. 01...	.0	.00	.00	.00	.00	.00	.00	.00	.0

DATE	TIME	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	HEXA-VALENT CHRO-MIUM (CR) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)
NOV. 01...	1250	4	0	0	0	1	.1	1	0

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	CYANIDE (CN) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL SILVER (AG) (UG/L)
JUNE 13...	1630	200	10	.00	4	<10	0	<10	<100	.0	2	140	100	<10

DATE	TIME	DIS-SOLVED NATURAL URANIUM (U) (UG/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)
NOV. 01...	1320	1.7	.02	5.2	<.4	1.3	<.4	1.7	<.4

DATE	TIME	WATER TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
DEC. 13...	1410	4.0	2.1	1	.01
JAN. 31...	1615	3.0	2.3	4	.02
MAR. 21...	1600	6.5	3.6	5	.05
JUNE 13...	1600	13.5	8.0	9	.19
JULY 19...	1150	14.0	2.9	4	.03
AUG. 22...	1030	11.0	1.2	1	.00

10301500 WALKER RIVER NEAR WABUSKA, NEV.
(Irrigation and pesticide network station)

LOCATION.--Lat 39°09'10", long 119°05'50", in SE¼NW¼ sec.20, T.15 N., R.26 E., Lyon County, at gaging station 600 ft (183 m) upstream from timber bridge at Julian Ranch, 1.8 mi (2.9 km) downstream from Southern Pacific Railroad bridge, 4.6 mi (7.4 km) east of Wabuska, and 16 mi (24 km) upstream from Weber Dam.

DRAINAGE AREA.--2,600 sq mi (6,700 sq km), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1968 to September 1974.
Water temperatures: October 1968 to September 1974.

EXTREMES.--1973-74:
Specific conductance: Maximum daily, 735 micromhos Jan. 3; minimum daily 192 micromhos June 15, 16.
Water temperature: Maximum daily, 29.0°C July 22, 23; minimum daily, freezing point on several days during January.

Period of record:
Specific conductance: Maximum daily, 792 micromhos Dec. 12, 1972; minimum daily, 183 micromhos June 26, 1969.
Water temperature: Maximum daily, 32.0°C July 19, 1970; minimum daily, freezing point on several days during winter months of each year.

REMARKS.--Inflow from two drainage ditches enters stream less than a mile (1.6 km) above sampling site. Because inflow and streamflow differ in quality, and because the waters do not mix thoroughly above sampling site, flow at site is not homogenous, either chemically or thermally. This doubtless is responsible for some of variation shown by daily specific-conductance and temperature data. Detailed sampling information is available from U.S. Geol. Survey office, Carson City, Nev.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
OCT. 10...	1030	40	30	43	10	61	5.8	220
NOV. 08...	1030	76	25	45	11	68	5.5	243
DEC. 12...	1120	107	28	45	11	73	5.7	244
JAN. 23...	1030	134	31	42	9.9	70	5.2	222
FEB. 21...	1115	142	28	39	9.1	54	4.9	200
MAR. 20...	1230	337	18	26	6.2	31	3.6	143
APR. 25...	1000	88	21	39	8.7	51	4.9	189
MAY 16...	1420	89	20	37	8.8	50	4.9	195
JUNE 19...	0930	704	16	19	4.2	20	2.2	108
JULY 17...	1000	132	21	--	7.6	38	5.3	175
AUG. 22...	1100	76	25	36	8.3	43	5.9	188
SEP. 17...	0855	86	27	38	8.4	45	5.6	192

10301500 WALKER RIVER NEAR WABUSKA, NEV.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)
OCT.									
10...	0	79	21	--	--	--	.01	--	--
NOV.									
08...	0	78	22	--	--	--	.01	--	--
DEC.									
12...	0	95	25	1.1	.27	.00	.27	.06	.44
JAN.									
23...	0	73	25	--	--	--	.50	--	--
FEB.									
21...	0	67	19	--	--	--	.23	--	--
MAR.									
20...	0	31	9.5	.7	.15	.00	.15	.27	.65
APR.									
25...	0	61	19	--	--	--	.04	--	--
MAY									
16...	0	61	17	--	--	--	.05	--	--
JUNE									
19...	0	21	6.0	.4	.02	.00	.02	.12	1.3
JULY									
17...	0	43	12	--	--	--	.57	--	--
AUG.									
22...	0	44	15	.6	.08	.00	.08	.06	1.0
SEP.									
17...	0	48	13	--	--	--	.12	--	--

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	HARD-NESS (CA,MG) (MG/L)	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	WATER TEMPER-ATURE (DEG C)
OCT.								
10...	--	.14	359	38.8	150	2.2	564	8.0
NOV.								
08...	--	.12	375	77.0	160	2.4	601	7.0
DEC.								
12...	.13	.11	406	117	160	2.5	614	2.0
JAN.								
23...	--	.11	368	133	150	2.5	599	1.0
FEB.								
21...	--	.08	321	123	130	2.0	516	3.5
MAR.								
20...	.40	.06	197	179	90	1.4	329	9.0
APR.								
25...	--	.08	298	70.8	130	1.9	495	7.0
MAY								
16...	--	.12	295	70.9	130	1.9	479	20.5
JUNE								
19...	.43	.06	142	278	65	1.1	230	18.0
JULY								
17...	--	.12	E250	E89.1	--	--	404	19.0
AUG.								
22...	.33	.14	271	55.6	120	1.7	425	19.0
SEP.								
17...	--	.10	281	65.2	130	1.7	456	13.5

E: ESTIMATED.

10301500 WALKER RIVER NEAR WABUSKA, NEV.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) . WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	575	553	603	617	592	523	421	532	265	309	313	392
2	577	584	610	677	596	486	437	540	265	272	328	416
3	550	474	626	735	589	493	479	535	256	276	345	440
4	551	558	630	711	597	473	481	481	265	317	338	440
5	567	600	625	697	589	502	481	495	251	347	340	431
6	584	600	625	695	597	502	479	505	237	368	361	449
7	591	617	616	645	597	515	476	502	217	433	340	445
8	552	617	623	635	582	520	457	538	217	457	370	436
9	554	617	620	656	589	520	455	481	203	448	370	440
10	583	617	618	655	576	429	437	397	215	427	387	443
11	607	638	620	697	587	427	435	406	208	402	408	438
12	620	634	623	626	587	409	474	412	204	322	414	408
13	605	552	616	600	573	380	476	435	200	377	428	454
14	598	446	651	602	565	385	435	461	197	388	437	434
15	607	555	633	576	565	378	437	478	192	410	475	405
16	610	581	630	540	567	347	437	485	192	388	464	413
17	608	579	633	551	570	343	415	515	211	379	454	452
18	646	581	634	550	570	323	437	437	227	435	493	440
19	609	600	625	572	570	320	433	444	239	476	484	472
20	617	638	616	568	544	332	481	431	217	435	500	452
21	607	620	618	554	529	348	474	431	256	429	460	532
22	639	624	618	576	499	350	498	440	257	429	445	514
23	479	624	602	600	493	356	500	481	200	429	386	540
24	474	634	610	596	491	367	498	454	217	412	398	514
25	474	649	610	600	491	376	523	459	247	410	370	545
26	474	642	613	607	495	375	532	518	270	412	362	545
27	472	634	603	600	482	395	539	353	287	369	388	519
28	479	624	617	592	511	382	502	352	294	380	400	493
29	490	617	617	593	---	370	513	340	309	380	387	532
30	537	620	620	593	---	432	534	309	317	377	370	502
31	545	---	613	600	---	420	---	328	---	348	396	---
MONTH	564	598	620	617	557	412	473	451	238	388	400	465
YEAR	MAX	735	MIN	192	MEAN	482						

TEMPERATURE (DEG. C) OF WATER . WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.5	10.0	5.0	0.0	5.0	8.0	13.0	18.0	20.0	25.0	24.5	23.0
2	16.0	8.0	4.0	0.0	5.5	6.0	12.0	18.5	21.0	24.0	27.0	25.0
3	15.0	6.0	5.0	0.0	6.0	7.0	16.0	19.0	21.0	26.0	22.5	26.0
4	16.0	5.0	3.0	0.0	7.0	8.0	17.0	21.0	21.0	27.0	24.0	25.0
5	18.0	7.0	4.0	0.5	5.0	9.0	15.0	22.0	21.0	25.0	25.0	25.0
6	14.0	8.0	5.0	1.0	5.0	10.0	18.0	26.0	21.0	25.0	24.0	25.0
7	15.0	9.5	4.0	0.0	7.0	10.0	16.0	24.0	20.0	23.0	24.5	23.0
8	15.5	10.0	5.0	0.5	5.0	7.0	17.0	24.0	19.0	24.0	24.0	25.0
9	14.0	10.0	4.5	0.0	6.0	9.0	8.5	23.0	22.0	20.0	17.0	25.0
10	15.0	10.0	4.0	0.0	6.0	9.0	10.0	23.0	22.5	21.0	24.5	21.0
11	12.5	11.0	5.0	0.5	6.0	10.0	11.0	20.0	23.0	21.0	25.0	22.0
12	15.0	10.0	6.0	0.0	6.5	13.0	12.0	19.0	23.0	27.0	24.0	21.0
13	15.0	8.5	7.0	1.0	7.5	14.0	15.0	18.0	23.0	26.0	20.5	19.0
14	15.0	7.5	5.0	2.5	6.0	15.0	15.0	20.0	23.0	26.0	25.0	18.0
15	14.5	7.0	4.5	2.5	6.0	15.5	16.0	19.0	22.0	24.0	24.0	19.0
16	15.0	7.0	5.0	5.0	8.0	11.5	18.0	18.0	23.0	25.0	23.0	21.0
17	17.5	8.0	5.0	7.5	7.0	10.0	19.5	16.0	22.0	25.0	23.5	21.0
18	15.0	6.0	4.0	6.0	5.0	10.0	16.0	14.0	21.0	25.0	23.0	21.0
19	14.5	5.0	3.0	3.0	7.0	11.0	15.0	12.0	20.0	23.5	21.5	22.0
20	13.5	5.0	3.0	5.0	6.0	12.0	13.5	16.0	23.0	26.0	23.0	21.0
21	15.0	7.0	4.0	4.0	6.0	12.0	15.0	18.0	22.0	27.0	23.0	24.0
22	14.0	9.0	4.0	4.5	7.0	13.0	17.0	18.0	23.0	29.0	24.0	23.0
23	13.0	6.0	2.0	5.0	6.0	13.0	16.0	22.0	23.0	29.0	25.0	23.0
24	12.0	7.0	6.0	5.0	8.0	14.0	12.5	20.0	21.0	27.5	24.0	20.0
25	11.0	4.0	6.0	5.5	7.0	14.0	14.5	23.0	24.0	27.0	25.0	18.0
26	12.0	5.0	5.0	5.0	8.0	15.0	16.0	21.0	19.0	26.5	25.0	19.0
27	10.5	5.5	4.0	5.0	9.0	14.0	17.5	21.0	24.0	26.0	20.0	20.0
28	10.5	7.0	6.0	6.0	8.0	13.0	18.0	22.0	25.0	26.0	18.0	19.0
29	9.5	8.0	7.0	7.0	---	12.0	18.0	22.0	27.0	26.5	25.0	20.0
30	9.0	7.0	5.0	8.0	---	14.0	18.0	22.0	23.0	24.0	24.0	21.0
31	10.0	---	3.5	7.0	---	11.0	---	18.0	---	22.0	23.5	---
MONTH	14.0	7.5	4.5	3.0	6.5	11.5	15.0	20.0	22.0	25.0	23.5	22.0
YEAR	MAX	29.0	MIN	0.0	MEAN	14.5						

10301500 WALKER RIVER NEAR WABUSKA, NEV.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)	DI-ELDRIN (UG/L)
DEC. 12...	1120	.00	--	.00	--	.00	--	.00	--	.00
MAR. 20...	1230	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)
DEC. 12...	--	.00	--	.00	--	.00	--	.00	--	.0
MAR. 20...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0

DATE	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	SILVEX (UG/L)	2,4,5-T (UG/L)	PCB (UG/L)	PCB IN BOTTOM DE-POSITS (UG/KG)
DEC. 12...	--	.00	.00	.00	.00	.00	.00	.00	.0	--
MAR. 20...	0	.00	.00	.00	.00	.00	.00	.00	.0	0

DATE	TIME	WATER TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
OCT. 10...	1130	8.0	42	30	3.4
NOV. 08...	1115	7.0	76	39	8.0
DEC. 12...	1120	2.0	107	62	18
JAN. 23...	1100	1.0	136	488	179
MAR. 20...	1100	9.0	349	335	316
JUNE 19...	0900	18.0	710	634	1220

10312000 CARSON RIVER NEAR FORT CHURCHILL, NEV.
(Irrigation network station)

LOCATION.--Lat 39°17'30", long 119°18'40", in SW¼SE¼ sec.32, T.17 N., R.24 E., Lyon County, at gaging station 400 ft (122 m) downstream from Buckland Ditch, 2 mi (3 km) west of Ft. Churchill, and 4.5 mi (7.2 km) upstream from Weeks bridge on U.S. Highway 95 alternate.

DRAINAGE AREA.--1,450 sq mi (3,760 sq km), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1962 to September 1974 (published as Carson River near Silver Springs, sta. no. 10312020, Oct. 1962-Sept. 1970).
Water temperatures: October 1962 to September 1974 (see note above).

EXTREMES.--1973-74:
Specific conductance: Maximum 687 micromhos Oct. 3; minimum 90 micromhos May 30.
Water temperature: Maximum 22.5°C July 18; minimum, freezing point on Feb. 6.

Period of record:
Specific conductance: Maximum, 840 micromhos Sept. 13, 1973; minimum, 81; micromhos July 3, 1967.
Water temperature: Maximum, 29.0°C Aug. 7, 1972; minimum, freezing point on many days during winter months.

REMARKS.--Water-quality samples are collected from Buckland Ditch, which leaves the river 400 ft (122 m) upstream from the gage, or from river at gage, depending on discharge (more detailed sampling information is available from U.S. Geol. Survey office, Carson City, Nev.). Discharge data do not include ditch flow.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
OCT.								
01...	1000	1.6	32	60	14	56	5.9	192
NOV.								
01...	1030	101	21	35	8.5	35	5.1	143
30...	1200	336	23	23	5.7	19	2.9	93
JAN.								
03...	1145	273	24	26	6.0	20	2.8	103
FEB.								
05...	1430	408	24	22	5.4	18	2.4	90
MAR.								
04...	1400	548	21	24	6.1	22	3.6	106
APR.								
03...	1630	655	21	19	4.6	13	2.0	76
22...	1200	548	20	19	4.4	13	2.3	73
JUNE								
03...	1400	1540	16	9.7	2.5	6.2	2.2	46
JULY								
01...	0815	346	22	20	5.3	17	3.1	86
AUG.								
02...	1430	13	32	50	12	49	5.6	174
29...	1130	4.6	34	58	12	55	5.6	187

10312000 CARSON RIVER NEAR FORT CHURCHILL, NEV.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)
OCT.									
01...	0	150	14	.5	.03	.00	.03	.01	.27
NOV.									
01...	0	72	11	--	--	--	.01	--	--
30...	0	40	6.4	--	--	--	.21	--	--
JAN.									
03...	0	40	--	.3	.36	.02	.38	.09	.21
FEB.									
05...	0	37	6.4	--	--	--	.27	--	--
MAR.									
04...	0	31	7.5	--	--	--	.29	--	--
APR.									
03...	0	25	3.2	--	--	--	.15	--	--
22...	0	31	3.8	.6	.07	.01	.08	.10	.32
JUNE									
03...	0	9.7	2.6	--	--	--	.03	--	--
JULY									
01...	0	31	5.8	.2	.23	.00	.23	.18	.07
AUG.									
02...	0	130	13	--	--	--	.13	--	--
29...	0	130	14	.5	.03	.00	.03	.02	.70

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	WATER TEMPERATURE (DEG C)
OCT.								
01...	.12	.15	427	1.84	210	1.7	649	13.5
NOV.								
01...	--	.22	259	70.6	120	1.4	412	8.5
30...	--	.17	167	152	81	.9	258	6.0
JAN.								
03...	.17	.11	E180	E133	90	.9	261	.0
FEB.								
05...	--	.10	161	177	77	.9	242	4.5
MAR.								
04...	--	.14	169	250	85	1.0	269	4.0
APR.								
03...	--	.11	126	223	66	.7	194	9.0
22...	.21	.10	131	194	66	.7	197	14.0
JUNE								
03...	--	.07	72	299	35	.5	100	17.0
JULY								
01...	.21	.15	148	138	72	.9	226	20.0
AUG.								
02...	--	.12	378	13.3	170	1.6	565	22.5
29...	.23	.13	402	4.99	190	1.7	629	19.5

E: ESTIMATED.

DATE	TIME	WATER TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JAN.					
03...	1100	.0	270	34	25
APR.					
22...	1130	14.0	540	95	141
JUNE					
03...	1400	17.0	1540	284	1100

10312000 CARSON RIVER NEAR FORT CHURCHILL, NEV.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974 (ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	644	424	254	190	238	285	189	241	100	222	558	647
2	---	430	249	230	238	276	190	227	96	226	564	639
3	687	411	242	---	241	214	189	164	95	235	571	632
4	656	402	314	---	241	258	211	142	100	242	575	623
5	656	410	291	---	244	284	212	131	97	260	570	628
6	675	425	271	---	244	294	213	130	100	272	546	632
7	644	419	275	---	238	293	204	127	95	286	461	630
8	632	411	277	242	248	289	204	122	96	308	492	642
9	602	383	276	247	253	282	205	109	103	319	481	641
10	609	335	290	247	251	278	204	104	116	315	485	653
11	609	292	294	272	---	282	189	99	108	240	522	645
12	587	126	291	269	---	276	210	98	111	161	549	639
13	531	94	283	260	---	277	212	98	98	189	573	645
14	528	126	292	248	---	265	212	102	102	242	571	647
15	515	150	281	248	---	248	204	108	109	280	578	634
16	512	182	293	278	254	250	199	105	109	305	587	663
17	513	191	290	168	256	231	187	110	116	325	609	659
18	511	191	286	163	259	221	176	121	128	357	596	661
19	516	188	273	179	268	220	170	134	128	382	599	653
20	515	236	270	163	257	223	157	147	139	395	602	641
21	515	334	280	165	262	235	182	164	154	417	611	651
22	515	231	276	182	284	233	192	174	159	454	614	634
23	490	233	271	198	272	226	184	183	161	454	613	632
24	490	241	291	216	272	223	170	173	156	452	614	647
25	468	247	282	214	276	217	161	148	154	493	613	645
26	412	236	281	218	271	206	182	121	165	518	609	647
27	422	251	274	222	272	195	208	113	178	518	618	653
28	424	252	276	224	284	203	227	98	189	533	636	645
29	414	253	273	232	---	200	236	95	195	546	634	649
30	420	255	276	239	---	195	243	90	195	570	633	651
31	422	---	181	237	---	188	---	96	---	568	625	---
MONTH	538	279	276	221	258	244	197	131	128	358	578	644
YEAR	MAX	687	MIN	90	MEAN	323						

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974 (ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.0	9.5	5.0	3.5	4.0	6.0	8.0	15.0	14.5	21.5	19.0	18.0
2	12.0	8.0	3.0	1.0	2.5	4.0	7.0	13.0	17.0	20.0	21.0	19.0
3	10.0	7.0	1.0	---	5.0	5.0	6.0	14.0	17.0	19.5	21.0	20.0
4	10.0	5.0	2.0	---	2.0	2.0	7.5	13.5	16.5	21.0	21.0	18.5
5	9.5	4.5	1.0	---	3.0	3.5	9.0	13.0	16.0	20.0	20.0	19.0
6	11.0	8.0	1.5	---	0.0	5.0	9.0	14.0	19.0	19.0	19.5	19.0
7	11.5	9.5	1.0	---	0.5	7.0	9.0	15.0	16.5	17.0	20.0	19.0
8	11.0	8.0	2.0	2.0	0.5	5.0	8.5	15.0	14.5	17.0	21.0	18.0
9	9.0	8.0	2.0	2.0	1.0	5.0	7.0	14.0	12.0	18.0	20.0	17.5
10	7.5	10.0	2.5	1.5	1.0	4.5	7.0	13.0	16.5	14.5	19.0	17.5
11	8.0	10.0	4.0	2.5	---	6.0	8.5	12.5	18.0	15.5	20.0	18.0
12	9.0	9.5	3.5	2.5	---	7.5	9.0	13.0	18.5	18.0	18.5	16.0
13	15.0	6.0	4.0	2.0	---	12.0	9.0	12.0	19.0	17.0	17.0	14.0
14	12.0	4.5	2.5	1.0	---	9.0	8.5	13.0	20.0	20.0	14.5	14.0
15	13.5	5.5	2.5	3.0	---	10.0	10.0	12.5	18.5	20.5	16.5	13.0
16	13.0	6.0	4.5	1.5	3.5	11.0	10.5	13.0	18.0	19.0	18.0	14.0
17	13.0	5.5	5.0	5.5	1.5	19.5	12.0	12.0	17.0	18.5	17.5	14.0
18	13.0	6.0	4.0	5.0	4.0	8.0	12.0	11.0	17.5	22.5	18.0	15.0
19	12.0	4.0	2.5	4.5	4.0	6.0	9.0	9.0	17.0	22.0	16.0	16.0
20	13.0	3.5	3.0	6.5	2.0	7.5	10.0	8.5	17.0	20.0	14.5	16.0
21	12.0	4.0	3.5	3.0	3.0	10.0	10.5	11.5	18.0	20.0	19.0	16.0
22	11.0	4.0	3.0	0.5	2.0	8.5	13.0	13.5	17.5	21.0	19.0	16.0
23	10.0	3.0	3.0	1.5	1.5	8.5	12.0	16.0	19.0	22.0	18.0	15.5
24	9.0	4.0	4.0	2.0	1.0	9.0	9.5	16.5	18.5	21.0	18.5	16.0
25	9.0	2.5	2.0	2.5	3.0	10.0	9.0	17.0	18.0	22.0	19.0	15.0
26	12.0	2.0	4.0	2.0	4.5	10.0	9.0	18.0	15.5	22.0	19.0	17.0
27	7.0	4.0	5.0	5.0	3.5	9.5	9.0	17.5	20.0	20.0	19.5	16.0
28	8.0	4.0	5.5	2.0	5.0	8.5	10.5	15.0	20.0	21.0	19.5	10.5
29	8.0	3.5	6.0	2.0	---	8.5	10.5	15.0	19.5	21.0	19.0	12.0
30	7.0	---	5.0	2.0	---	9.0	12.0	15.0	21.0	20.0	19.0	13.0
31	7.5	---	2.0	4.5	---	7.0	---	14.5	---	19.5	19.0	---
MONTH	10.5	6.0	3.0	2.5	2.5	8.0	9.5	13.5	17.5	19.5	18.5	16.0
YEAR	MAX	22.5	MIN	0.0	MEAN	11.0						

10335000 HUMBOLDT RIVER NEAR RYE PATCH, NEV.
(Irrigation network station)

LOCATION.--Lat 40°28'00", long 118°18'20", in SE¼NE¼ sec.18, T.30 N., R.33 E., Pershing County, at gaging station 1,000 ft (305 m) downstream from Rye Patch Dam, and 1.5 mi (2.4 km) northwest of Rye Patch.

DRAINAGE AREA.--16,100 sq mi (41,700 sq km), approximately.

PERIOD OF RECORD.--Chemical analyses: December 1951 to September 1958, October 1959 to September 1961, May 1962 to September 1974. Water temperatures: December 1951 to September 1958, October 1959 to September 1961, May 1962 to September 1974.

EXTREMES.--1973-74:
Specific conductance: Maximum daily, 1,160 micromhos on several days in September; minimum daily, 828 micromhos June 10, 11.
Water temperature: Maximum daily, 20.5°C on several days in August; minimum daily, 3.0°C on several days in January.

Period of record:
Specific conductance (1951-58, 1962-74): Maximum, 4,010 micromhos Sept. 2, 1954; minimum, 384 micromhos June 24, 1956.
Water temperature: Maximum (1951-54, 1956-58, 1959-61, 1962-68, 1969-74), 25.5°C Sept. 21, 1958; minimum (1951-54, 1956-58, 1959-61, 1962-67, 1968-69, 1970-74), 0.5°C on many days during winter months of some years.

REMARKS.--Flow completely regulated by Rye Patch Reservoir. Several suspended-sediment determinations are listed for Humboldt River near Imlay (sta. 10333000, upstream from Rye Patch Reservoir) in section titled "Analyses of samples collected at water-quality partial-record stations."

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
OCT. 11...	1035	225	39	39	15	130	--	302
NOV. 12...	1230	24	36	40	16	130	17	273
DEC. 14...	1030	22	34	40	16	120	16	299
JAN. 17...	1645	19	34	41	16	120	16	294
FEB. 27...	1730	23	34	40	17	120	16	290
MAR. 19...	1715	26	34	39	17	130	16	296
APR. 16...	1750	568	37	41	17	130	15	305
MAY 21...	0950	458	33	43	15	120	14	278
JUNE 18...	1545	352	35	42	14	110	13	260
JULY 17...	1540	164	36	39	15	150	15	232
AUG. 22...	1315	452	37	36	16	170	17	267
SEP. 25...	1430	143	36	35	17	170	19	272

10335000 HUMBOLDT RIVER NEAR RYE PATCH, NEV.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)
OCT. 11...	0	77	92	1.0	.02	.01	.03	.05	.18
NOV. 12...	17	66	96	--	--	--	.03	--	--
DEC. 14...	4	72	95	--	--	--	.03	--	--
JAN. 17...	8	65	98	.8	.02	.01	.03	.10	.75
FEB. 27...	7	60	95	--	--	--	.01	--	--
MAR. 19...	6	69	100	--	--	--	.01	--	--
APR. 16...	6	75	99	1.0	.16	.00	.16	.17	.20
MAY 21...	7	62	94	--	--	--	.06	--	--
JUNE 18...	8	56	91	--	--	--	.01	--	--
JULY 17...	26	71	130	.8	.01	.00	.01	.10	.44
AUG. 22...	10	76	170	--	--	--	.02	--	--
SEP. 25...	8	80	170	--	--	--	.03	--	--

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	HARD-NESS (CA,MG) (MG/L)	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	WATER TEMPER-ATURE (DEG C)
OCT. 11...	.10	.12	E560	E340	160	4.5	892	12.5
NOV. 12...	--	.14	553	35.8	170	4.4	905	11.0
DEC. 14...	--	.07	545	32.4	170	4.1	909	4.0
JAN. 17...	.15	.06	544	27.9	170	4.0	923	2.5
FEB. 27...	--	.03	532	33.0	170	4.0	924	3.0
MAR. 19...	--	.05	557	39.1	170	4.4	923	7.0
APR. 16...	.10	.07	572	877	170	4.3	940	8.0
MAY 21...	--	.07	526	650	170	4.0	887	12.0
JUNE 18...	--	.09	498	473	160	3.8	862	21.5
JULY 17...	.12	.09	598	265	160	5.2	1000	19.0
AUG. 22...	--	.06	664	810	160	5.9	1120	19.0
SEP. 25...	--	.04	671	259	160	5.9	1140	18.5

E: ESTIMATED.

DATE	TIME	WATER TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
JAN. 17...	1510	2.5	20	58	3.1

10335000 HUMBOLDT RIVER NEAR RYE PATCH, NEV.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	880	908	891	916	905	915	918	915	871	846	968	1160
2	880	917	891	932	905	915	918	909	871	858	1000	1160
3	887	917	903	923	905	921	918	886	856	861	999	1160
4	879	924	906	924	901	918	918	912	863	845	1000	1160
5	881	917	906	924	905	917	918	910	867	861	991	1160
6	879	917	905	924	902	916	918	912	856	858	991	1160
7	879	917	905	924	906	921	918	904	856	853	1000	1160
8	879	917	903	931	904	919	918	909	849	861	1000	1160
9	879	917	905	931	905	922	918	912	835	862	1000	1160
10	879	924	905	923	905	916	918	903	828	851	1020	1150
11	880	909	905	924	905	911	918	909	828	855	1020	1150
12	880	894	903	916	905	921	918	918	829	862	1020	1150
13	882	887	899	922	921	919	918	903	829	860	1020	1150
14	882	917	901	927	905	919	918	895	835	861	1040	1150
15	887	902	903	923	902	921	918	891	835	885	1040	1150
16	887	917	906	900	905	913	918	878	842	960	1040	1140
17	886	917	907	900	904	919	918	878	840	988	1050	1140
18	894	924	903	923	905	919	918	878	842	990	1050	1160
19	892	917	906	908	905	916	918	874	849	1000	1130	1150
20	893	917	905	915	920	919	918	872	845	1020	1120	1140
21	887	917	912	916	921	916	918	870	842	1020	1080	1140
22	893	917	905	908	913	916	918	871	842	1020	1120	1130
23	894	917	907	931	906	921	918	873	849	1020	1130	1150
24	895	909	908	915	921	923	918	872	842	937	1120	1150
25	892	908	892	915	921	921	918	871	842	958	1130	1160
26	880	917	891	916	913	923	918	872	842	1000	1130	1150
27	892	917	891	915	913	916	918	871	838	1000	1150	1160
28	895	917	891	915	913	915	918	869	842	1020	1150	1140
29	896	917	896	915	---	920	918	868	842	1020	1150	1140
30	895	917	898	915	---	919	918	862	842	1000	1150	1150
31	894	---	---	915	---	919	---	868	---	998	1150	---
MONTH	886	914	902	919	909	918	918	888	845	930	1060	1150
YEAR	MAX	1160	MIN	828	MEAN	937						

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.0	10.0	7.5	3.5	4.0	4.5	6.5	10.5	14.5	19.5	20.5	20.0
2	16.0	10.0	7.0	3.0	4.0	4.5	6.5	10.5	15.0	19.5	20.5	20.0
3	15.5	10.0	7.0	3.0	4.0	4.5	6.5	10.5	15.0	19.5	20.5	20.0
4	15.5	9.5	7.0	3.0	4.0	4.5	6.5	10.5	15.5	19.5	20.5	20.0
5	15.5	9.5	7.0	3.0	4.0	4.5	7.0	11.0	15.5	19.5	20.5	20.0
6	15.0	9.5	7.0	3.0	4.0	4.5	7.0	11.0	16.0	19.5	20.5	20.0
7	15.0	9.5	7.0	3.0	4.0	4.5	7.0	11.0	16.5	19.5	20.5	20.0
8	14.5	9.5	7.0	3.0	4.0	4.5	7.0	11.0	17.0	20.0	20.5	20.0
9	14.5	9.0	6.5	3.0	4.0	4.5	7.5	11.5	17.0	20.0	20.5	20.0
10	14.0	9.0	6.5	3.0	4.0	4.5	7.5	11.5	17.5	20.0	20.5	19.5
11	13.5	9.0	6.5	3.0	4.0	4.5	7.5	11.5	17.5	20.0	20.5	19.5
12	13.0	9.0	6.5	3.0	4.0	5.0	7.5	11.5	17.5	20.0	20.5	19.5
13	13.0	9.0	6.5	3.0	4.5	5.0	8.0	12.0	17.5	20.0	20.5	19.0
14	12.5	9.0	6.5	3.0	4.5	5.0	8.0	12.0	18.0	20.0	20.5	19.0
15	12.5	9.0	6.5	3.5	4.5	5.0	8.0	12.0	18.0	20.0	20.5	19.0
16	12.5	8.5	6.0	3.5	4.5	5.0	8.0	12.0	18.0	20.0	20.0	18.5
17	12.0	8.5	6.0	3.5	4.5	5.0	8.5	12.5	18.0	20.0	20.0	18.5
18	12.0	8.5	6.0	3.5	4.5	5.0	8.5	12.5	18.0	20.0	20.0	18.0
19	11.5	8.5	6.0	3.5	4.5	5.0	8.5	13.0	18.0	20.0	20.0	17.5
20	11.5	8.5	6.0	3.5	4.5	5.0	9.0	13.0	18.5	20.0	20.0	17.5
21	11.0	8.5	5.5	3.5	4.5	5.5	9.0	13.5	18.5	20.0	20.0	17.0
22	11.0	8.5	5.5	3.5	4.5	5.5	9.5	13.5	18.5	20.0	20.0	17.0
23	11.0	8.0	5.5	3.5	4.5	5.5	9.5	14.0	18.5	20.0	20.0	16.5
24	11.0	8.0	5.0	3.5	4.5	5.5	10.0	14.0	18.5	20.0	20.0	16.5
25	11.0	8.0	5.0	3.5	4.5	5.5	10.0	14.0	19.0	20.0	20.0	16.0
26	11.0	8.0	4.5	4.0	4.5	5.5	10.0	14.0	19.0	20.0	20.0	16.0
27	11.0	7.5	4.5	4.0	4.5	6.0	10.0	14.5	19.0	20.0	20.0	16.0
28	10.5	7.5	4.5	4.0	4.5	6.0	10.5	14.5	19.0	20.0	20.0	16.0
29	10.5	7.5	4.0	4.0	---	6.0	10.5	14.5	19.0	20.0	20.0	16.0
30	10.5	7.5	4.0	4.0	---	6.0	10.5	14.5	19.0	20.0	20.0	15.5
31	10.5	---	3.5	4.0	---	6.0	---	14.5	---	20.0	20.0	---
MONTH	12.5	8.5	6.0	3.5	4.5	5.0	8.5	12.5	17.5	20.0	20.0	18.5
YEAR	MAX	20.5	MIN	3.0	MEAN	11.5						

10346000 TRUCKEE RIVER AT FARAD, CALIF.
(Irrigation network station)

LOCATION.--Lat 39°25'41", long 120°01'59", in NE¼ sec.12, T.18 N., R.17 E., Nevada County, at gaging station 0.7 mi (1.1 km) downstream from Farad hydroelectric powerplant, 2.5 mi (4.0 km) north of Floriston, and 3.5 mi (5.6 km) upstream from California-Nevada State line.

DRAINAGE AREA.--932 sq mi (2,400 sq km).

PERIOD OF RECORD.--Chemical analyses: January 1964 to September 1974 (published as Truckee River at Floriston, Calif., sta. no. 10345900, Jan. 1964 to Sept. 1971).
Water temperatures: January 1964 to September 1974 (see note above).

EXTREMES.--1973-74:
Specific conductance: Maximum daily, 115 micromhos Jan. 13; minimum daily, 55 micromhos Nov. 11.
Water temperature: Maximum daily, 19.0°C July 26; minimum daily, freezing point on Jan. 2, 3, 4.

Period of record:
Specific conductance (1964-66, 1967-74): Maximum, 141 micromhos Feb. 3, 1964; minimum, 39 micromhos Dec. 23, 1964.
Water temperature: Maximum, 21.0°C Aug. 2, 6, 1971; minimum, freezing point on several days during winter months of most years.

REMARKS.--Water quality at this site is considered comparable with that of station 10345900, Truckee River at Floriston, which was operated 2.5 mi (4.0 km) upstream from present site from January 1964 through September 1971. Daily specific-conductance and temperature data are collected at Farad powerplant, 0.7 mi (1.1 km) upstream from gage.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT.											
28...	1300	493	16	9.6	2.9	6.6	1.8	53	0	4.1	4.1
NOV.											
21...	0920	487	18	8.5	2.6	6.4	1.3	45	0	4.0	3.3
DEC.											
18...	1015	436	20	10	3.1	6.9	2.0	47	0	5.2	6.6
JAN.											
22...	1545	1620	17	7.7	2.2	4.4	1.5	35	0	1.8	4.2
FEB.											
22...	1345	764	15	9.1	2.7	6.0	1.8	50	0	3.2	3.3
MAR.											
21...	1000	1340	15	9.6	2.6	5.5	1.6	46	0	2.9	3.8
APR.											
22...	1000	1900	15	9.6	2.3	5.5	1.4	44	0	2.5	2.0
MAY											
23...	1045	1720	16	7.7	2.0	3.6	1.2	40	0	2.5	2.7
JUNE											
24...	1040	1020	15	7.3	2.1	3.9	1.3	41	0	4.1	2.6
JULY											
16...	1015	1300	14	8.4	2.3	5.0	1.5	50	0	3.2	2.3
31...	0950	1020	--	--	--	--	--	--	--	--	--
AUG.											
13...A	0950	830	16	8.1	2.5	4.3	1.4	46	1	2.2	2.0
27...	0930	841	--	--	--	--	--	--	--	--	--
SEP.											
10...	1130	675	15	8.6	2.0	4.6	1.4	39	0	2.3	1.9
24...	1205	555	--	--	--	--	--	--	--	--	--

10346000 TRUCKEE RIVER AT FARAD, CALIF.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHOPHOSPHORUS (P) (MG/L)
OCT.											
25...	--	--	--	--	--	--	.05	--	--	--	.06
NOV.											
21...	--	--	--	--	--	--	.23	--	--	--	.04
DEC.											
18...	--	--	--	--	--	--	.13	--	--	--	.03
JAN.											
22...	--	--	--	--	--	--	.30	--	--	--	.02
FEB.											
22...	.0	--	.00	--	.00	--	.00	.06	.02	.02	.01
MAR.											
21...	--	--	--	--	--	--	.03	--	--	--	.03
APR.											
22...	--	--	--	--	--	--	.05	--	--	--	.01
MAY											
23...	--	--	--	--	--	.04	--	.09	.29	.01	--
JUNE											
24...	--	.00	--	.00	--	.00	--	.02	.21	.01	--
JULY											
16...	--	.04	--	.00	--	.04	--	.08	.17	.01	--
31...	--	.03	--	.00	--	.03	--	.08	.16	.00	--
AUG.											
13...A	--	.06	--	.00	--	.06	--	.03	.30	.02	--
27...	--	.03	--	.00	--	.03	--	.16	.06	.17	--
SEP.											
10...	--	.00	--	.00	--	.00	--	.02	.26	.03	--
24...	--	.00	--	.01	--	.01	--	.01	.17	.05	--

DATE	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	SUSPENDED SOLIDS (MG/L)	HARDNESS (CA,MG) (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	WATER TEMPERATURE (DEG C)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL IRON (FE) (UG/L)
OCT.											
25...	72	93.7	--	36	.5	100	9.0	--	--	--	--
NOV.											
21...	65	85.5	--	32	.5	94	--	--	--	--	--
DEC.											
18...	78	91.8	--	38	.5	105	1.5	--	--	--	--
JAN.											
22...	57	249	--	28	.4	77	2.0	--	--	--	--
FEB.											
22...	66	136	--	34	.4	97	3.5	--	--	--	--
MAR.											
21...	64	232	--	35	.4	94	4.5	--	--	--	--
APR.											
22...	60	308	--	33	.4	87	6.0	--	--	--	--
MAY											
23...	55	255	1	27	.3	71	9.0	2	7	--	240
JUNE											
24...	57	157	4	27	.3	75	11.5	2	5	--	360
JULY											
16...	61	214	8	30	.4	89	14.5	3	6	3.1	450
31...	--	--	3	--	--	--	15.0	2	5	1.8	260
AUG.											
13...A	60	134	8	31	.3	84	14.0	1	13	1.8	240
27...	--	--	4	--	--	87	14.0	2	4	4.3	190
SEP.											
10...	55	100	1	30	.4	88	14.0	2	3	2.3	220
24...	--	--	3	--	--	80	13.0	1	4	2.4	390

A: DISSOLVED PHOSPHORUS, 0.01 MG/L; DISSOLVED SOLIDS (RESIDUE AT 180°C), 61 MG/L; FIELD PH, 8.9; DISSOLVED OXYGEN, 9.2 MG/L.

10346000 TRUCKEE RIVER AT FARAD, CALIF.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	97	96	100	98	98	82	83	65	---	94	90
2	93	---	97	93	96	92	81	82	62	68	83	86
3	93	---	98	94	97	96	81	82	62	69	84	83
4	91	---	100	94	98	98	82	82	61	72	84	83
5	91	---	98	92	96	98	---	81	61	70	82	84
6	91	---	99	93	96	100	88	80	64	70	93	85
7	91	96	99	---	96	98	89	78	65	70	84	83
8	91	83	100	---	96	94	88	76	65	71	84	83
9	93	94	99	105	96	96	88	76	66	62	84	83
10	93	87	99	93	96	95	89	77	63	71	85	84
11	95	55	---	94	98	95	92	78	61	82	85	84
12	96	70	97	95	96	101	88	76	60	84	86	84
13	97	66	100	115	98	98	88	80	63	85	88	83
14	97	70	100	114	98	98	88	72	66	86	88	83
15	95	80	101	86	98	---	88	72	66	87	88	83
16	96	85	---	74	98	95	88	73	71	87	88	85
17	95	90	102	68	100	94	88	72	73	88	88	83
18	100	92	102	79	98	---	---	72	68	89	87	83
19	---	91	101	70	---	---	---	73	68	90	87	82
20	---	94	101	73	99	93	89	74	71	90	88	80
21	---	94	100	76	99	91	89	75	72	90	87	80
22	---	98	101	76	97	91	88	73	70	91	88	80
23	---	96	105	78	98	90	84	71	69	91	---	78
24	---	92	---	85	98	90	86	70	72	91	86	---
25	---	91	101	86	98	89	88	69	76	91	86	79
26	---	91	101	91	98	85	88	67	76	90	86	---
27	100	93	101	92	---	---	89	64	68	86	87	82
28	100	94	108	91	100	---	89	63	68	85	92	83
29	99	99	108	94	---	87	89	61	70	85	91	83
30	99	98	86	93	---	82	91	65	69	82	92	84
31	98	---	94	95	---	82	---	66	---	91	87	---
MONTH	---	88	100	89	98	93	87	74	67	82	87	83
YEAR	MAX	115	MIN	55	MEAN	86						

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.0	9.5	2.0	0.5	3.0	3.5	5.0	7.0	9.0	---	15.0	15.0
2	12.0	---	1.0	0.0	3.0	2.0	4.0	6.0	9.0	13.0	15.0	14.0
3	10.0	---	1.5	0.0	3.0	2.0	5.0	6.0	9.5	15.5	17.0	15.0
4	10.5	---	2.0	0.0	3.0	1.0	6.0	6.5	9.5	11.5	15.0	13.5
5	10.5	---	2.5	1.0	2.0	3.5	---	7.5	10.0	15.0	17.0	15.0
6	11.0	---	3.5	1.0	1.0	4.0	5.5	7.5	10.0	12.0	15.0	14.5
7	11.0	10.0	4.5	---	1.0	4.5	5.0	7.5	10.0	13.0	17.0	14.5
8	10.0	7.5	3.0	---	2.0	4.5	5.0	7.0	8.0	12.5	17.0	14.5
9	9.0	7.0	3.0	1.0	2.0	4.0	6.5	7.0	10.0	10.5	14.0	14.0
10	8.0	8.0	2.0	1.0	2.0	4.0	4.5	7.0	13.0	12.5	14.0	15.5
11	8.0	7.5	---	1.0	2.0	4.5	5.0	9.5	10.0	13.0	14.5	13.5
12	9.0	7.0	2.5	2.0	4.0	5.0	6.0	7.0	10.0	15.5	17.0	12.5
13	9.5	5.0	2.5	2.0	1.0	4.5	5.5	7.0	10.5	15.0	15.5	12.5
14	10.5	5.0	2.5	3.0	3.0	5.5	6.0	6.5	11.5	15.5	14.0	12.0
15	10.5	5.5	2.0	4.0	4.5	---	6.5	7.0	10.5	15.0	13.5	15.0
16	9.0	5.5	---	5.0	3.5	5.5	6.0	7.0	11.5	14.0	16.0	12.0
17	10.5	5.5	4.5	4.0	2.0	5.0	11.0	6.0	11.0	14.0	14.5	12.0
18	10.5	4.5	2.0	4.0	4.0	5.0	---	7.0	10.0	14.0	14.5	12.0
19	---	3.0	1.5	4.0	---	---	---	8.0	10.5	17.5	14.5	13.0
20	---	4.0	2.0	4.0	1.5	4.5	5.5	7.5	9.5	16.5	16.0	15.0
21	---	3.0	3.0	2.0	2.0	4.5	6.0	7.0	11.5	16.5	14.5	14.5
22	---	3.0	3.0	1.5	2.0	5.0	6.0	10.0	16.0	14.5	13.0	13.0
23	---	2.5	2.0	1.5	2.0	5.0	6.0	8.5	15.0	16.5	---	14.5
24	---	3.0	---	1.5	2.5	5.0	4.5	10.0	11.5	18.5	14.5	---
25	---	4.0	3.0	2.5	3.0	5.5	4.0	11.5	15.5	17.5	14.0	12.5
26	---	4.0	3.5	2.5	4.0	6.5	4.0	12.0	10.0	19.0	15.5	---
27	7.0	4.0	4.0	1.5	---	---	4.0	9.5	10.0	15.5	16.0	13.0
28	7.5	4.0	4.0	3.0	4.5	---	5.0	8.0	15.0	16.0	15.0	10.5
29	8.0	4.0	5.0	2.0	---	5.5	7.0	7.5	13.0	16.0	15.0	13.0
30	7.0	4.5	2.0	2.5	---	4.5	8.0	---	13.0	16.5	16.5	12.5
31	7.0	---	2.0	3.0	---	4.5	---	11.0	---	15.0	17.0	---
MONTH	---	5.0	2.5	2.0	2.5	4.5	5.5	8.0	11.0	15.0	15.0	13.5
YEAR	MAX	19.0	MIN	0.0	MEAN	8.0						

10346000 TRUCKEE RIVER AT FARAD, CALIF.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)
AUG.								
13...	0950	.00	.00	.00	.00	.00	.00	.00

DATE	HEPTA-CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	CHLOR-DANE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	PCB (UG/L)
AUG.								
13...	.00	.00	.0	.00	.00	.00	.00	.0

DATE	TIME	WATER TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
FEB.					
22...	1610	4.0	764	5	10
MAR.					
21...	1230	4.5	1320	9	32
MAY					
23...	1045	9.0	1720	10	46

10350050 Truckee River at Lockwood, Nev.

LOCATION.--Lat 39°30'36", long 119°38'52", in SE¼SE¼ sec.17, T.19 N., R.21 E., on boundary line between Washoe and Storey Counties, at bridge, 2.1 mi (3.4 km) downstream from stream-gaging station 10350000 (Truckee River at Vista), 2.7 mi (4.3 km) downstream from mouth of North Truckee Drain, 3.3 mi (5.3 km) downstream from mouth of Steamboat Creek, and 6 mi (10 km) southeast of Sparks.

DRAINAGE AREA.—1,433 mi^2 (3,711 km^2), approximately.

PERIOD OF RECORD.—Chemical analyses, biological data, and water temperatures: May 1974 to September 1974 (in addition, monthly data have been collected by Nevada Bureau of Environmental Health since June 1967).

REMARKS.--Estimated streamflows are based on data from station 10350000, and are considered accurate for the Lockwood site except during periods of low flow, when a small diversion for irrigation in the Lockwood area could significantly decrease the streamflow. Effluent from Reno-Sparks Joint Waste Water Treatment Plant enters Steamboat Creek several hundred feet upstream from confluence with Truckee River. Samples are collected by Nevada Bureau of Environmental Health.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
MAY										
23...	1350	1650	--	--	--	--	--	--	--	--
JUNE										
24...	1310	865	21	13	4.2	11	2.5	69	0	19
JULY										
16...	1355	1140	--	--	--	--	--	--	--	--
AUG.										
01...	1030	718	--	--	--	--	--	--	--	--
15...	1055	574	21	14	5.1	12	2.6	72	0	12
29...	0931	490	--	--	--	--	--	--	--	11
SEP.										
11...	0957	482	--	--	--	--	--	--	--	--
23...	1422	432	--	--	--	--	--	--	--	--

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)
MAY									
23...	--	--	--	.27	.10	.18	.21	--	--
JUNE									
24...	3.5	.00	.00	.00	.08	.36	.01	108	252
JULY									
16...	--	.11	.02	.13	.45	.29	.16	--	--
AUG.									
01...	--	.43	.00	.43	.10	.63	.23	--	--
15...	6.4	.11	.02	.13	.52	.58	.24	109	169
29...	6.5	.62	.02	.64	.64	.46	.34	--	--
SEP.									
11...	--	.00	.00	.00	.39	.52	.33	--	--
23...	--	.25	.15	.40	.83	.77	.43	--	--

DATE	SUSPENDED SOLIDS (MG/L)	HARDNESS (CA,MG) (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	WATER TEMPERATURE (DEG C)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL IRON (FE) (UG/L)
MAY									
23...	6	--	--	122	13.0	3	12	3.6	1000
JUNE									
24...	15	50	.7	155	16.5	5	17	--	780
JULY									
16...	14	--	--	146	18.0	5	10	7.8	720
AUG.									
01...	20	--	--	264	18.0	6	11	2.5	740
15...	21	56	.7	163	16.0	5	12	6.1	550
29...	23	--	--	181	17.5	7	13	4.2	420
SEP.									
11...	27	--	--	192	16.0	7	16	4.4	740
23...	17	--	--	216	18.0	6	12	--	620

DATE	TIME	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DIELDRIN (UG/L)	ENDRIN (UG/L)	HEPTACHLOR (UG/L)	HEPTACHLOR EPOXIDE (UG/L)	LINDANE (UG/L)
AUG.										
15...	1230	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	CHLORDANE (UG/L)	DIAZINON (UG/L)	MALATHION (UG/L)	METHYL PARATHION (UG/L)	PARATHION (UG/L)	2,4-D (UG/L)	SILVEX (UG/L)	2,4,5-T (UG/L)	PCB (UG/L)
AUG.									
15...	.0	.00	.00	.00	.00	.04	.00	.00	.0

10351650 TRUCKEE RIVER AT WADSWORTH, NEV.

LOCATION.--Lat 39°38'19", long 119°16'09", in SW¼SW¼ sec.34, T.21 N., R.24 E., Washoe County, temperature recorder at gaging station on right bank, 0.5 mi (0.8 km) downstream from U.S. Highway 40 bridge, and 0.2 mi (0.3 km) northeast of Wadsworth.

DRAINAGE AREA.--1,719 sq mi (4,450 sq km).

PERIOD OF RECORD.--Water temperatures: July 1965 to September 1974.

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.0	13.5	11.0	9.5	7.5	5.0	1.5	0.5	4.0	3.5	7.5	6.0
2	15.5	12.0	9.5	7.5	6.0	4.0	0.5	0.0	4.0	3.0	6.5	3.5
3	15.0	11.0	8.5	7.0	5.0	3.5	0.0	0.0	4.0	3.0	4.0	3.0
4	14.5	10.0	7.5	5.5	3.5	3.0	0.0	0.0	4.5	3.0	5.0	3.0
5	15.0	10.0	8.0	6.0	4.5	3.0	0.5	0.0	4.5	3.5	6.5	4.0
6	13.0	11.0	10.0	8.0	5.0	3.5	0.5	0.0	4.0	2.5	7.0	6.0
7	12.0	10.5	10.0	8.5	5.5	4.0	1.0	0.5	4.0	2.5	7.0	5.5
8	13.0	11.5	9.5	8.0	6.0	4.5	1.5	0.5	5.0	2.5	6.5	5.0
9	14.0	10.5	10.0	7.0	5.5	4.0	1.5	0.5	5.0	3.0	7.0	4.0
10	13.0	9.5	11.0	9.0	5.0	3.5	1.5	0.5	5.5	3.5	7.0	5.5
11	13.0	9.0	11.0	9.5	5.0	3.5	0.5	0.5	5.5	3.5	7.5	5.5
12	14.5	10.5	9.5	7.5	4.5	3.5	2.0	0.5	6.0	4.0	8.0	5.5
13	15.0	11.0	7.5	5.5	5.5	4.0	4.5	1.5	6.0	3.5	8.0	6.0
14	16.5	12.0	6.5	5.0	5.0	3.5	4.5	3.5	5.5	4.0	9.5	7.5
15	16.5	13.0	7.5	5.5	4.5	3.0	6.0	4.5	6.5	4.0	10.0	8.5
16	16.0	12.5	9.0	6.0	5.0	3.5	6.0	5.0	7.0	5.0	9.5	8.0
17	16.0	12.0	8.5	7.0	6.0	3.5	5.0	4.0	6.5	4.0	8.5	7.5
18	15.5	11.5	8.0	5.5	5.5	4.0	4.5	4.0	6.0	4.5	8.5	7.0
19	14.5	12.0	7.0	4.5	4.5	3.0	4.5	4.0	6.0	4.5	9.0	7.0
20	14.0	11.5	7.0	4.5	3.5	3.0	4.0	3.5	6.5	4.0	9.0	7.0
21	14.5	11.0	7.0	5.0	3.0	2.5	3.5	2.5	6.5	3.5	9.0	7.0
22	13.0	10.5	7.0	5.0	4.5	3.5	2.5	2.0	5.5	3.5	9.0	7.0
23	12.0	9.0	7.0	6.0	4.0	3.0	3.0	2.0	5.0	3.0	9.0	7.5
24	12.0	8.5	6.0	4.5	3.5	2.0	3.5	3.0	5.5	3.5	9.0	7.5
25	12.5	9.5	5.5	4.0	4.0	3.0	4.0	3.0	5.5	4.0	8.5	8.0
26	12.0	9.0	5.5	4.0	5.0	3.0	3.5	3.0	7.0	4.5	8.0	7.0
27	12.0	8.5	7.0	5.0	5.5	4.5	3.0	2.5	6.0	5.0	8.0	7.0
28	12.0	9.0	8.0	5.0	6.0	4.5	3.5	2.5	7.0	4.5	8.0	6.5
29	11.5	8.5	7.5	4.5	6.5	5.5	4.5	3.5	---	---	7.5	7.0
30	10.5	8.0	8.5	6.0	5.5	2.5	4.5	3.5	---	---	8.0	7.0
31	11.0	8.5	---	---	2.5	1.5	4.5	4.0	---	---	7.0	6.0
MONTH	16.5	8.0	11.0	4.0	7.5	1.5	6.0	0.0	7.0	2.5	10.0	3.0

10351650 TRUCKEE RIVER AT WADSWORTH, NEV.--Continued

EXTREMES.--1973-74:
Water temperature: Maximum daily, 26.0°C July 25; minimum daily, freezing point on several days in January.

Period of record:
Water temperature: Maximum, 28.5°C July 20, Aug. 11, 12, 1970, and July 27, 28, 1971; minimum, freezing point on several days in January 1974.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.5	5.5	13.0	11.5	15.5	13.0	21.0	18.5	23.0	18.5	23.0	17.5
2	7.5	5.5	12.0	11.0	16.0	14.0	21.5	18.0	24.0	19.0	23.5	18.5
3	7.0	5.5	12.5	10.5	15.5	13.5	21.5	17.0	24.0	19.0	24.0	18.5
4	8.0	7.0	12.5	10.5	14.5	14.0	23.0	18.0	22.5	18.5	23.0	17.5
5	9.5	7.5	13.0	10.5	14.5	12.5	22.0	18.0	23.0	18.0	22.5	17.5
6	9.0	7.5	14.0	11.5	16.0	13.5	20.5	17.0	23.5	19.0	22.5	17.5
7	8.5	7.5	14.5	12.0	15.0	13.5	20.5	16.0	23.5	18.5	22.5	17.5
8	9.5	7.5	15.0	13.0	15.0	12.5	18.0	16.0	24.0	18.5	22.5	17.5
9	8.0	6.5	14.5	12.0	16.5	13.0	15.5	14.0	23.5	18.0	22.0	17.0
10	8.0	5.5	13.5	11.5	18.0	15.5	14.0	13.0	24.5	18.5	22.0	17.0
11	9.5	7.5	13.5	11.5	18.5	16.5	16.5	14.0	24.0	18.5	20.5	16.5
12	9.5	8.0	13.5	11.5	19.0	16.0	18.5	15.5	23.5	17.5	19.5	15.0
13	9.0	8.0	12.5	10.5	18.5	16.0	20.0	17.0	22.5	17.0	18.0	14.5
14	9.0	7.5	13.0	10.5	18.0	16.0	20.0	17.5	21.5	16.0	18.5	14.0
15	10.5	8.0	13.0	11.0	17.5	16.0	20.0	18.0	22.5	16.5	18.5	14.0
16	10.5	9.0	12.0	10.5	18.0	15.5	20.5	17.5	23.0	17.5	19.0	14.5
17	11.0	9.0	11.0	9.5	18.5	16.0	21.0	17.0	23.0	17.0	19.0	14.5
18	10.5	8.0	9.5	8.5	20.0	16.0	21.5	18.0	22.0	17.0	19.5	15.0
19	8.5	7.5	10.0	8.5	17.5	16.0	22.0	18.0	20.5	16.5	19.0	15.0
20	10.0	8.0	11.0	8.5	18.0	14.5	23.0	18.5	20.5	15.5	19.5	15.0
21	11.0	8.5	12.5	9.5	21.0	15.5	23.5	18.5	21.0	15.5	19.5	15.0
22	11.5	9.5	13.5	10.5	21.0	17.0	24.0	19.5	22.5	16.5	19.5	15.5
23	11.0	9.0	15.5	12.0	21.0	17.0	24.0	20.0	23.0	17.0	20.0	15.5
24	9.5	7.5	15.5	13.0	21.0	17.0	24.0	20.0	23.0	17.5	20.0	16.0
25	8.0	6.5	16.0	13.0	21.0	16.0	26.0	20.0	23.5	18.0	19.5	15.5
26	8.5	7.5	16.0	14.0	21.5	15.0	24.0	21.0	24.0	18.5	19.0	15.5
27	9.0	7.5	15.5	14.0	22.5	15.5	25.0	20.5	24.0	18.5	17.5	14.5
28	10.0	8.5	14.0	12.0	22.5	17.5	25.5	20.0	24.0	18.5	17.0	13.5
29	11.5	8.5	13.5	11.5	23.5	18.0	23.5	20.5	23.5	18.5	17.5	13.5
30	12.5	10.0	13.5	11.5	23.5	19.0	24.0	20.0	24.5	19.5	18.5	14.5
31	---	---	14.5	12.5	---	---	22.0	20.0	23.0	18.5	---	---
MONTH	12.5	5.5	16.0	8.5	23.5	12.5	26.0	13.0	24.5	15.5	24.0	13.5
YEAR	26.0	0.0										

10351700 TRUCKEE RIVER NEAR NIXON, NEV.
(National stream quality accounting network station)

LOCATION.--Lat 39°46'40", long 119°20'10", in SW¼NW¼ sec.18, T.22 N., R.24 E., Washoe County, 1 mi (1 km) upstream from Pyramid Indian Reservation diversion dam, 4 mi (6 km) south of Nixon, and 13 mi (21 km) upstream from mouth.

DRAINAGE AREA.--1,815 sq mi (4,701 sq km).

PERIOD OF RECORD.--Chemical analyses: January 1969 to September 1974 (data prior to January 1973 are unpublished).
Water temperatures: December 1964 to September 1974.
Sediment records: December 1964 to September 1974.

EXTREMES.--1973-74:
Specific conductance: Maximum, 420 micromhos Nov. 20; minimum, 109 micromhos Nov. 12.
Water temperature: Maximum, 21.0°C July 18; minimum, 3.0°C Dec. 10.
Suspended-sediment concentration: Maximum, 920 mg/l Apr. 2; 8 mg/l Oct. 17.

Period of record:
Specific conductance: Maximum, 900 micromhos Dec. 15, 1969; minimum, 96 micromhos May 17 and June 1, 1969.
Water temperature: Maximum, 25.5°C July 27, 1971; minimum, freezing point on Jan. 4, 1973.
Suspended-sediment concentration: Maximum, 2,530 mg/l Mar. 17, 1967; minimum, 2 mg/l several times during period of record.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT.											
17...	1245	154	16	22	9.1	31	4.0	110	0	39	31
NOV.											
12...	1440	1560	--	--	--	--	--	--	--	--	--
20...	1230	161	24	25	9.9	40	4.5	102	0	47	48
20...	1500	--	--	--	--	--	--	--	--	--	--
DEC.											
04...	1500	511	--	--	--	--	--	--	--	--	--
10...	1000	528	--	--	--	--	--	--	--	--	--
19...	1220	610	23	18	6.2	21	3.2	87	0	19	17
JAN.											
15...	1200	664	23	18	7.2	33	4.5	103	0	26	29
FEB.											
13...	1145	794	21	15	5.2	17	2.7	74	0	16	15
MAR.											
13...	1140	1360	18	13	4.2	13	2.4	62	0	10	12
APR.											
24...	1330	1790	18	11	3.5	9.6	2.1	55	0	9.2	5.9
MAY											
21...	1135	1540	19	11	3.5	9.3	1.9	57	0	9.1	6.8
JUNE											
19...	0845	787	20	14	4.8	16	1.9	73	0	14	14
JULY											
18...	1215	962	20	15	4.9	14	2.6	88	0	14	7.8
AUG.											
14...	1115	283	21	21	7.5	23	3.6	99	0	26	21
SEP.											
17...	1150	423	20	19	6.0	21	4.1	96	0	22	15

10351700 TRUCKEE RIVER NEAR NIXON, NEV.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)
OCT. 17...	.2	.09	.01	.08	--	.51	--	.28	--	.26	--
NOV. 12...	--	--	--	--	--	--	--	--	--	--	--
20...	.2	.49	.01	.17	--	.30	--	.20	--	.18	245
20...	--	--	--	--	--	--	--	--	--	--	--
DEC. 04...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
19...	.2	.40	.06	.22	.13	.34	.26	.27	.21	.21	151
JAN. 15...	.2	.39	.02	.26	--	.34	--	.26	--	.19	213
FEB. 13...	.2	.35	.02	.25	--	.27	--	.23	--	.15	138
MAR. 13...	--	.30	.02	.22	.07	.13	.17	.21	.18	.15	102
APR. 24...	.5	.16	.02	.09	--	.91	--	.17	--	.10	88
MAY 21...	.0	.19	.01	.07	--	.38	--	.18	--	.09	93
JUNE 19...	.2	.33	.03	.12	--	.83	--	.30	--	.14	12[illegible]
JULY 18...	.1	.30	.03	.04	--	.39	--	.18	.15	.12	119
AUG. 14...	.1	.49	.03	.02	--	.60	--	.43	--	.31	173
SEP. 17...	.1	.49	.08	.14	.01	.48	.48	.38	.36	.28	160

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	HARD-NESS (CA,MG) (MG/L)	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	WATER TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)
OCT. 17...	208	86.5	92	1.4	347	14.0	3	--	B10	--	16
NOV. 12...	--	--	--	--	109	9.0	--	--	--	--	--
20...	252	110	100	1.7	420	5.5	9	--	B130	10	--
20...	--	--	--	--	415	6.0	--	--	--	--	--
DEC. 04...	--	--	--	--	266	3.5	--	--	--	--	--
10...	--	--	--	--	288	3.0	--	--	--	--	--
19...	153	252	70	1.1	241	3.5	20	--	B100	B12	18
JAN. 15...	194	348	75	1.7	333	6.0	20	--	170	B11	B23
FEB. 13...	131	281	59	1.0	211	4.0	6	--	150	2	56
MAR. 13...	105	386	50	.8	170	7.0	6	2.0	160	63	15
APR. 24...	88	425	42	.6	138	9.5	9	--	140	29	70
MAY 21...	90	374	42	.6	138	11.5	8	--	83	20	67
JUNE 19...	123	261	55	.9	198	15.0	10	--	B390	B40	200
JULY 18...	124	322	58	.8	169	21.0	20	1.9	B170	B63	140
AUG. 14...	175	134	83	1.1	282	18.0	6	--	B70	B50	66
SEP. 17...	158	180	72	1.1	260	16.0	4	5.1	--	B30	58

B: NON-IDEAL COLONY COUNT.

10351700 TRUCKEE RIVER NEAR NIXON, NEV.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)
DEC.											
19...	1220	1500	50	80	30	15	10	<10	1	0	<50
MAR.											
13...	1140	2100	30	80	20	8	8	<10	2	0	<50
JULY											
18...	1215	1300	100	50	0	10	9	<10	1	<10	<50
SEP.											
17...	1150	810	460	40	10	8	9	<10	<1	0	<50

DATE	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
DEC.											
19...	2	20	0	<100	7	.2	.0	2	2	40	40
MAR.											
13...	1	<10	7	<100	5	.5	.2	4	4	30	30
JULY											
18...	0	<10	3	<100	2	--	.2	0	0	10	0
SEP.											
17...	0	<10	1	<100	1	.2	.2	0	0	40	0

PHYTOPLANKTON

DATE	CODOMINANTS, AND PERCENTAGE OF TOTAL CELLS	TOTAL CELLS/ML
73 11 20	NAVICULA, 23%; MELOSIRA, 18%	930
73 12 19	NAVICULA, 19%	2,500
74 01 15	NAVICULA, 22%; HANNAEAARCUS, 15%	2,200
74 02 13	NAVICULA, 33%; CYCLOTELLA, 19%	2,300
74 03 13	ASTERIONELLA, 30%; NAVICULA, 20%	2,800
74 04 24	NAVICULA, 27%; GOMPHONEMA, 18%	1,600
74 05 21	NITZSCHIA, 25%; NAVICULA, 20%	1,500
74 06 19	ACHNANTHES, 19%; NAVICULA, 18%	3,500
74 07 18	NAVICULA, 31%; OSCILLATORIA, 18%	4,100
74 08 14	NAVICULA, 23%; OSCILLATORIA, 15%	11,000
74 09 17	NAVICULA, 16%; MELOSIRA, 16%; NITZSCHIA, 15%	13,000

10351700 TRUCKEE RIVER NEAR NIXON, NEV.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	WATER TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
OCT.							
17...	1220	14.0	154	8	3.3	--	--
NOV.							
12...	1525	9.0	1400	507	1920	15	21
20...	1230	5.5	161	9	3.9	--	--
DEC.							
19...	1200	3.0	605	42	69	--	--
JAN.							
15...	1200	6.0	664	53	97	--	--
FEB.							
13...	1130	4.0	781	28	59	--	--
MAR.							
13...	1125	7.0	1330	100	359	--	--
APR.							
02...	1430	7.5	3290	920	8170	--	--
05...	1530	10.5	2450	249	1650	--	--
24...	1330	9.5	1790	113	546	--	--
MAY							
06...	1215	5.5	1750	86	406	--	--
21...	1120	11.5	1540	70	291	--	--
JUNE							
04...	1230	15.0	2360	187	1190	--	--
19...	0845	15.0	787	54	115	--	--
JULY							
18...	1210	21.0	962	44	114	--	--
AUG.							
14...	1110	18.0	283	12	9.2	--	--
SEP.							
17...	1135	16.0	414	25	28	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM
OCT.								
17...	--	--	--	--	--	--	--	--
NOV.								
12...	26	31	36	42	54	73	99	100
20...	--	--	--	--	--	--	--	--
DEC.								
19...	--	--	--	--	--	--	--	--
JAN.								
15...	--	--	--	--	--	--	--	--
FEB.								
13...	--	--	--	--	--	--	--	--
MAR.								
13...	--	--	--	--	--	--	--	--
APR.								
02...	--	--	--	--	--	--	--	--
05...	--	--	--	39	52	75	98	100
24...	--	--	--	--	--	--	--	--
MAY								
06...	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--
JUNE								
04...	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--
JULY								
18...	--	--	--	--	--	--	--	--
AUG.								
14...	--	--	--	--	--	--	--	--
SEP.								
17...	--	--	--	--	--	--	--	--

HUMBOLDT RIVER BASIN

10333000 HUMBOLDT RIVER NEAR IMLAY, NEV. (LAT 40°41'30", LONG 118°12'10")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	WATER TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
JAN.					
17...	1745	.0	5.4	81	1.2
APR.					
16...	1300	9.0	818	516	1140
JULY					
16...	1500	23.5	127	252	86

PYRAMID AND WINNEMUCCA LAKES BASIN

10347800 PEAVINE CREEK NEAR RENO, NEV. (LAT 39°32'35", LONG 119°51'55")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
JAN.									
17...	1645	1.7	23	12	5.0	9.9	2.8	15	0
MAR.									
20...	1150	.003	33	33	12	14	3.0	38	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	HARD-NESS (CA,MG) (MG/L)	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	WATER TEMPER-ATURE (DEG C)
JAN.									
17...	48	3.4	.70	115	.53	51	.6	173	4.0
MAR.									
20...	120	2.2	.03	236	.002	130	.5	335	7.0

DATE	TIME	WATER TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	TOTAL SEDI-MENT (MG/L)	TOTAL SEDI-MENT DIS-CHARGE (T/DAY)	TOTAL SED. FALL DIAM. % FINER THAN .002 MM	TOTAL SED. FALL DIAM. % FINER THAN .004 MM	TOTAL SED. FALL DIAM. % FINER THAN .008 MM	TOTAL SED. FALL DIAM. % FINER THAN .016 MM	TOTAL SED. FALL DIAM. % FINER THAN .031 MM	TOTAL SED. FALL DIAM. % FINER THAN .062 MM
JAN.											
17...	1645	4.0	1.7	2700	12	89	93	97	98	99	100
18...	0740	2.0	1.0	444	1.2	--	--	--	--	--	--
18...	1525	6.0	1.2	1100	3.6	--	--	--	--	--	--
21...	1615	3.0	.12	702	.23	--	--	--	--	--	--
21...	1645	3.0	.12	729	.24	--	--	--	--	--	--
22...	0830	.0	.08	163	.04	--	--	--	--	--	--

COLORADO RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DEPTH (FT)	ALKA-LINITY, TOTAL (MG/L AS CACO3)	SPECIFIC CONDUCT-ANCE (MICRO-MHOS)	FIELD PH (UNITS)	TEMPER-ATURE WATER (°C)	DISSOLVED OXYGEN (MG/L)
09420600 LAKE MEAD AT ICEBERG CANYON, ARIZ.-NEV. (RIVER MILE 287.5; LAT 36°11', LONG 114°04'; SECCHI DISK TRANSPARENCY 21 FT)*						
OCT.						
15...	0	146	990		23.0	8.5
15...	10	140	995		22.0	8.5
15...	25	145	1000		21.5	8.6
15...	40	158	1000		20.5	8.3
15...	45	160	1010		20.0	8.4
09420650 LAKE MEAD AT SANDY POINT, ARIZ. (RIVER MILE 295.0; LAT 36°07', LONG 114°07'; SECCHI DISK TRANSPARENCY 18 FT)*						
OCT.						
16...	0	142	990		24.0	8.4
16...	10	142	990		23.0	8.6
16...	25	142	990		22.5	8.6
16...	75	142	1000		20.0	7.8
16...	125	145	960		14.5	4.6
16...	175	153	965		13.0	4.6
16...	205	142	980		12.0	8.4
09420700 LAKE MEAD AT VIRGIN CANYON, ARIZ.-NEV. (RIVER MILE 305.3; LAT 36°16', LONG 114°24'; SECCHI DISK TRANSPARENCY 17 FT)*						
OCT.						
16...	0	148	995		23.0	8.4
16...	10	137	1000		22.5	8.4
16...	25	129	1000		22.0	8.3
16...	75	137	1010		20.5	6.2
16...	125	140	990		15.0	5.9
16...	175	144	980		13.0	6.8
16...	225	144	985		12.0	6.5
16...	275	146	990		12.0	—
16...	300	145	995		11.5	5.8
16...	325	—	1000		11.5	—
09420750 LAKE MEAD NEAR OVERTON BEACH, NEV. (RIVER MILE 27.5; LAT 36°27', LONG 114°21'; SECCHI DISK TRANSPARENCY 4 FT)*						
OCT.						
17...	0	135	1100		21.5	10.0
17...	5	131	1100		21.0	9.9
09420800 LAKE MEAD AT OVERTON ISLANDS, NEV. (RIVER MILE 9.5; LAT 36°01', LONG 114°12'; SECCHI DISK TRANSPARENCY 20 FT)*						
OCT.						
18...	0	127	1060		22.0	8.4
18...	10	127	1060		22.0	8.4
18...	25	132	1060		22.0	8.4
18...	75	130	1050		21.5	7.8
18...	125	138	1040		15.5	4.5
18...	175	140	1040		13.5	5.5
18...	225	140	1040		12.5	6.8
18...	275	140	1040		12.0	6.8
09420850 LAKE MEAD AT BOULDER CANYON, ARIZ.-NEV. (RIVER MILE 334.6; LAT 36°08', LONG 114°37"; SECCHI DISK TRANSPARENCY 21 FT)*						
OCT.						
18...	0	126	1060		22.5	8.2
18...	10	126	1060		22.5	8.2
18...	25	126	1060		22.5	8.0
18...	75	128	1050		22.0	7.2
18...	125	136	1060		15.5	5.5
18...	175	136	1050		13.5	6.4
18...	225	137	1060		13.0	7.2
18...	275	130	1050		12.0	7.4
18...	325	145	1060		12.0	6.8
18...	375	150	1070		12.0	6.4
18...	400	150	1080		12.0	5.9

* FIELD DETERMINATIONS BY U.S. BUREAU OF RECLAMATION.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued

WALKER LAKE AND CARSON RIVER BASINS

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
10293000 E WALKER R NR BRIDGEPORT CALIF (LAT 38°19'40" LONG 119°12'50")*										
APR. 29...	1500	222	22	4.4	16	2.9	103	0	17	3.7
SEP. 18...	1430	170	23	3.8	9.5	2.8	101	0	8.2	.0
10296000 W WALKER R BELOW LITTLE WALKER R NR COLEVILLE CALIF (LAT 38°22'45" LONG 119°29'00")*										
APR. 29...	1345	250	9.4	2.1	4.1	.7	45	0	4.8	.0
SEP. 18...	1300	80	14	2.2	23	1.9	91	0	14	4.8
10305500 EF CARSON R NR MARKLEEVILLE CALIF (LAT 38°41'20" LONG 119°45'44")*										
APR. 29...	1145	—	11	3.0	6.5	1.1	56	0	7.4	.0
SEP. 18...	1100	—	12	3.6	6.8	1.2	64	0	5.3	.5
10310000 WF CARSON R AT WOODFORDS CALIF (LAT 38°46'10" LONG 119°49'55")*										
APR. 29...	1015	235	5.9	1.6	1.2	.8	29	0	3.6	.0
SEP. 18...	1000	24	9.2	1.9	3.5	1.4	46	0	2.1	.0

DATE	DISSOLVED BORON (B) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180°C) (MG/L)	HARDNESS (CA,MG) (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	FIELD PH (UNITS)	WATER TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
10293000 E WALKER R NR BRIDGEPORT CALIF (LAT 38°19'40" LONG 119°12'50")*									
APR. 29...	0.1	142	73	0.8	213	8.1	10.0	6	9.6
SEP. 18...	.1	132	73	.5	187	8.1	15.5	22	6.2
10296000 W WALKER R BELOW LITTLE WALKER R NR COLEVILLE CALIF (LAT 38°22'45" LONG 119°29'00")*									
APR. 29...	.0	55	32	.3	83	7.7	9.5	1	10.1
SEP. 18...	.2	127	44	1.5	199	8.3	11.5	1	8.5
10305500 EF CARSON R NR MARKLEEVILLE CALIF (LAT 38°41'20" LONG 119°45'44")*									
APR. 29...	.1	93	40	.4	109	7.7	6.0	2	11.3
SEP. 18...	.1	88	45	.4	121	8.3	10.5	0	9.3
10310000 WF CARSON R AT WOODFORDS CALIF (LAT 38°46'10" LONG 119°49'55")*									
APR. 29...	.0	67	21	.1	54	7.3	4.0	1	11.4
SEP. 18...	.0	66	31	.3	82	7.7	9.0	0	9.2

* DATA FROM CALIF. DEPT. OF WATER RESOURCES.

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